

J.J. College of Arts and Science (Autonomous)

Sivapuram post, Pudukkottai – 622 422

Department of Microbiology

Industrial Visit Report (2021 – 2022)

In the year 2021, 13th December, in total 45 students (both Postgraduates and Undergraduates) along with two staffs from the Dept. of Microbiology visited CSIR-CSMCRI, Mandapam camp for attending a one day Scientific Social Responsibility Programme. The programme was a part of DST SERB funded project and co-ordinated by Dr. Veeragurunathan, Scientist at CSMCRI. The Institute Director Prof. Ganesan, Senior principal scientist headed the programme and inaugurated the event.

After the inauguration, he gave a special keynote lecture on *Indian Seaweeds and its cultivation* along with its various applications. His lecture covered most important aspects of seaweed, global seaweed production, which was estimated around 31 million wet tonnes, and he added the economy of the seaweeds that are commercially valuable seaweeds in last 10 year's timelines. He listed the demographic details of people involved in seaweeds collection and cultivation, with the information of 1730 females and 405 males were involved in seaweed collection within 4 districts of Tamilnadu and making around the annual revenue about 4.2 USD million. Further, he elaborated the first seaweed cultivation *Gracilariaria edulis* at Krusadai Island in 1971.

Then he differentiated the cultivation types using various methods such as Vertical rope method, Raft method, Tube Net method used in seaweed cultivation. In addition, he emphasized the institute cultivated the seaweed *Gelediella acerosa* successfully in coral stone method, cement block method. He also mentioned that these methods are not complicated, can be easily trained, and cultivated. These methods even can be trained to the uneducated and below poverty line people in around the coast for their healthy economy. Further, He supplemented the importance of *Kappaphycus alvarezii* in various applications including bioethanol, biodiesel, pet foods, water gel, dairy products, meat processing etc. In addition, Tata Chemicals Ltd markets these products in collaboration with this institute.

There are various cultivation programs and training given by this institute to the local coastal farmers, and many farmers were benefitted. For instance, each farmers earning around Rs.16, 875 monthly with the help of this seaweed cultivation. To encourage their training, Indian

Government given the best award in rural development. With that, finally he concluded there are huge career and research opportunities in seaweed cultivation and invited students for their master and doctoral research projects.


Head of the Department

Dr. P. JEEVAN, M.Sc., M.Phil., Ph.D.
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Principal

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In the Year 2022, from April 8 – 10, in total 56 students from the Department of Microbiology visited Defence Food Research Laboratory (DFRL), Mysore for an Industrial Visit. In the day of visit we started visiting the Exhibition of Products manufactured in the DFRL. Many of the DFRL foods, born out of innovative state – of – art technologies, lend themselves eminently suitable to industrial scale commercial exploitation by enterprising entrepreneurs of different genre. Some of the technologies that have been transferred to entrepreneurs are Retort processing in flexible pouches, Mini combo pack ration, Freeze dried foods, Preservation of tender coconut water, Preserved and flavoured Chapatias, Instant/Quick cooking foods, Puff and serve chapatias, Scrambled egg mix, Combo pack ration, Supplementary combo pack ration, Cold stockdrying technology, Instant Choley mix technology, Minimally processed pre-cut vegetables, Ethylene absorbed pad/scrubber development and IM/HT fruits etc., The centre staff demonstrated the ideas to increase the Shelf life and improve the characteristics of foods using non-thermal techniques. Overall the students explored the research and development in food science and technology, production and supply of processed foods on a limited scale to the Armed forces and other bodies for national missions. They also came to know the Development of pack rations, their quality assurance methods, Preservation and packaging methods for long distance transporation of perishable products.


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Department of Microbiology

Industrial Visit – 2021 to 2022



Name of the Industry : Council of Scientific and Industrial Research-Marine Algal Research Station

Place : Mandapam Camp, Tamil Nadu

Date : 13.12.2021

Total No of students : 51

Department of Microbiology

Industrial Visit – 2021 to 2022



Demonstration Session at DFRL laboratory

Demonstration Session at DFRL laboratory



Defense Food Research Laboratory (DFRL)-DRDO, Mysore

Name of the Industry : Defense Food Research Laboratory (DFRL)-DRDO, Mysore

Place : Mysore

Date : 08.04.2022 to 10.04.2022

Total No of students : 54

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Department of Microbiology

Industrial Visit Students Name List (2021-2022)

III B.Sc. Microbiology

S.No	Name of the Students	Register No.	Student Number	Parent Number
1.	Abinaya.B	U19MB1001	7639609175	8489484322
2.	Abirami.A	U19MB1002	6369746342	8825496639
3.	Abirami.A	U19MB1003	7339206675	9894555341
5.	Abitha.R	U19MB1005	7838878629	7502801286
6.	Anusuya.N	U19MB1006	6379391076	9843785075
7.	Arthi.S	U19MB1007	8531973604	8940647945
8.	Bavadharani.B	U19MB1008	9345764866	9943832392
9.	Chamundeeswari.R	U19MB1009	7868029989	8940147427
10.	Harini.M	U19MB1012	9585060109	9791825464
11.	Jeevitha.A	U19MB1013	9894599683	9843479683
12.	Kanimozhi.R	U19MB1014	7639392269	9344288919
13.	Kaviya.P	U19MB1015	8072923815	8098677906
14.	Mageswari.S	U19MB1017	6369118440	7397309158
15.	Malarvizhi.R	U19MB1018	9344316851	9047180577
16.	Nandhini.S	U19MB1021	6384264083	9655400313
17.	Narmatha.N	U19MB1022	9585912452	9626160039
18.	Prakathisha.S	U19MB1024	9597934595	9087344302
19.	Premalatha.S	U19MB1025	8270914339	9626093369
20.	Punitha.S	U19MB1027	6369426393	9943602478
21.	Ramyabharathi.M	U19MB1028	6380595272	9442317966
22.	Shanmugapriya.A	U19MB1029	9360275174	9843592805
23.	Sneka. B	U19MB1030	6374776424	9655595752
24.	Sucika.G	U19MB1033	7639738205	9943033754
25.	Suguna.P	U19MB1034	9865788111	9150841897

C. D.

26.	Swathi.C	U19MB1035	9787894856	9585082957
27.	Thangeshwari.R	U19MB1036	9345819868	8098560576
28.	Yogalakshmi.R	U19MB1037	9047765928	9159385928
29.	Balakumar.K	U19MB2001	9786267097	9626046382
30.	Guna.R	U19MB2005	8825688102	8508716653
31.	Kalaiivanan.M	U19MB2006	6369663489	9976238572
32.	Mariyappan.R	U19MB2009	9025695363	9944667195
33.	Marimuthu.S	U19MB2010	9751390411	9943762028
34.	Neelakandan.P	U19MB2011	6374569765	8526892751

I M.Sc. Microbiology

S.No	Name of the Students	Register No.	Student Number	Parent Number
1.	Abarna.S	P21MB1001	6379472017	9943900176
2.	Abi.K	P21MB1002	7904419635	6382376562
3.	Alagudeepa.R	P21MB1003	9655385175	9843394232
4.	Anusha.K	P21MB1004		
5.	Kayathri.M	P21MB1006	7806977207	9159585670
6.	Kayathri.S	P21MB1007	9345541631	9751492440
7.	Madhurambika.I	P21MB1009	9025850199	9361167098
8.	Nanthini.K	P21MB1010	9345843919	9865506264
9.	Salini.R	P21MB1011	9750649719	8122376264
10.	Suriya.S	P21MB1013	6380989035	7502609456
11.	Thamayanthi.A	P21MB1014	9025911266	7598641559
12.	Vaishnavi.S	P21MB1015	9751685449	6384424779
13.	Ganesh.K	P21MB2001	6369190087	9159984236
14.	Mugesh.P	P21MB2002	9344345762	9626485917
15.	Prakashraja.M	P21MB2002	8270297211	9626495005
16.	Sanjai.M	P21MB2004	9361792242	9655855217
17.	Senthilnathan.T	P21MB2006	6383385898	9788211873

G.D.

II M.Sc. Microbiology

S.No	Name of the Students	Register No.	Student Number	Parent Number
1.	Abdul Ajmeer.J	P20MB2001	8825649478	
2.	Chithravel.P	P20MB2003	9500562394	9487405663
3.	Murugesan.A	P20MB2005	9095146872	9842229232
4.	Praveen.N	P20MB2006	8098218690	9751885181
5.	Sivasurya.P	P20MB2008	8531090505	8883181573

FACULTY MEMBERS:

1. Dr. P. Jeevan, Co-ordinator and head, Department of Microbiology - 9791886609
2. Dr. M. Poornima, Assistant Professor of Microbiology - 9994674871
3. S. Vijaya Samoondeswari, Assistant Professor of Microbiology - 9842496974
4. Ms.R.Karthigai Selvi, Lab Assistant of Microbiology - 9698630922

Class	Girls	Boys
III UG	28	06
I PG	12	05
II PG	-	05
Total	40	16

Total Strength: 56

G. D.
07/14/2022