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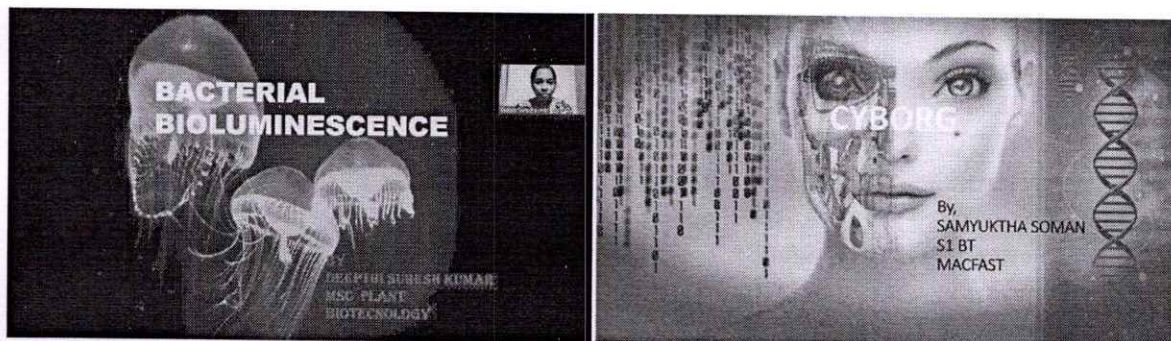
**MAR ATHANASIOS COLLEGE FOR ADVANCED STUDIES  
TIRUVALA (MACFAST)  
Thiruvalla - 689101**

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**Monday Seminar  
GN Ramachandran Science Club  
Activity Report  
2016 - 2021**

**MAR ATHANASIOS COLLEGE FOR ADVANCED  
STUDIES TIRUVALLA (MACFAST)  
Thiruvalla - 689101  
REPORT on MONDAY SEMINAR of  
G. N. RAMACHANDRAN SCIENCE CLUB**

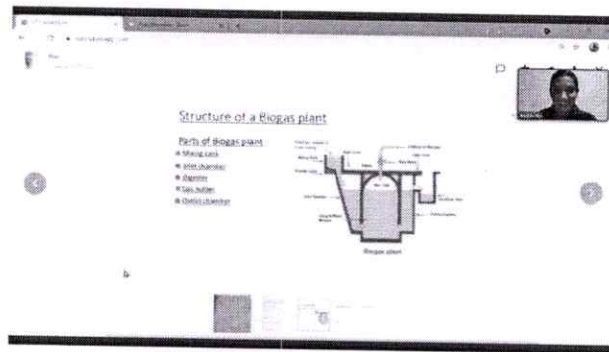
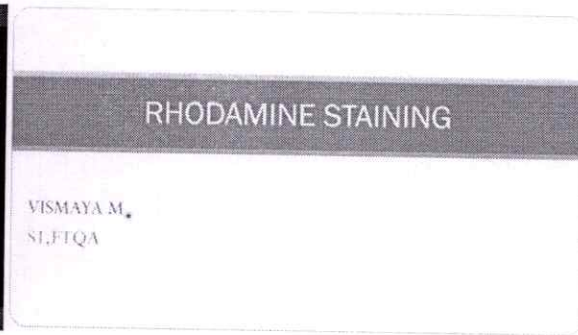
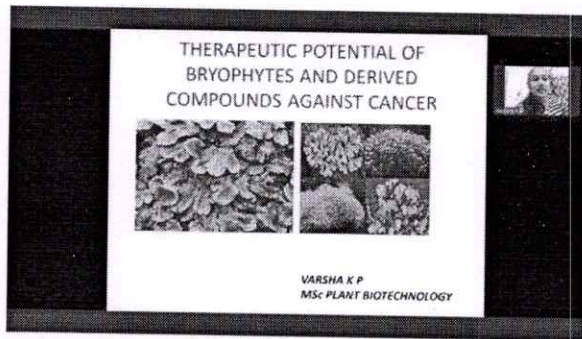
As a part of G. N. Ramachandran science club a Monday seminar series was initiated to encourage students to deliver seminars on current research trends. Every Monday, a student presents a seminar on a scientific topic. The seminar series was introduced to enhance the presentation skills and the scientific temperament of the students.



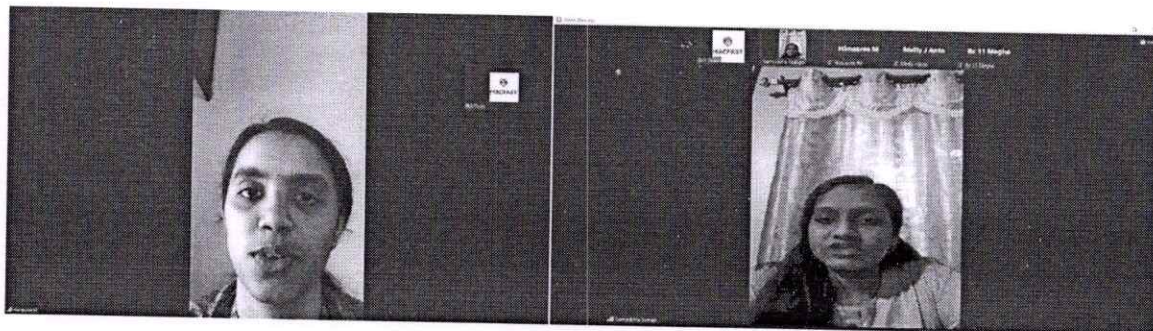
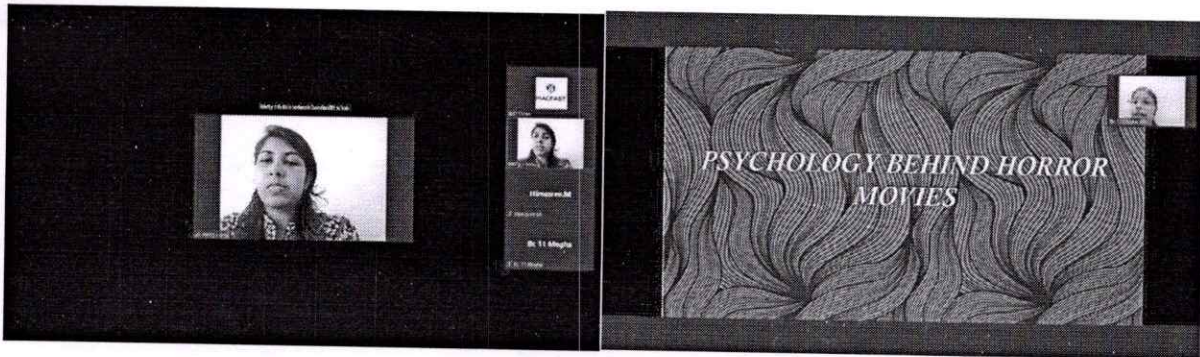
Presentations of research articles are also adopted frequently. These seminars help students to understand research methodology and experimental design. It aims to improve the critical thinking and analytical aptitude of the student. The presentations are followed by a question-answer session where attendees involving students and faculties ask questions pertaining to the talk.

The presentations are conducted on a variety of topics ranging from food technology, genetic engineering, virology, oncology to technology. Frequently, the platform is also used for providing the students training in resume preparation, exposure to science communication, orientation in legal and patent related aspects.



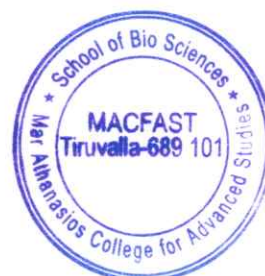


Students also utilise the platform to present and discuss their project results following internships and Master's research project. The seminars have been successful in improving the presentation skills of students and has exposed them to a wide variety of scientific topics.



## 2016

DATE	TOPIC	RESOURCE PERSONS	ORGANIZATION
24.06.2016	"Transneurons" and introduction to the book "Genome-The Autobiography of a species" by Lida Lala	Shanti M S	MACFAST Student talk
30.05.2016	Enhancing the functional properties and nutritional quality of icecream with processed Amala	Simi Sathar	MACFAST Student talk
	Chemical approach to artificial photosynthesis	Anju Krishna	MACFAST Student talk
18.07.2016	Alkyl halides	Anjali Pradeep	MACFAST Student talk
	Core Promoters	Sajeesh S	MACFAST Student talk
	Bioinformatics tools, BLAST, FASTA	Asha Antony	MACFAST Student talk



17.10.2016	CRISPR	Santhy M. S.	MACFAST Student talk
31.10.2016	Epigenomics and Histone Modification	Prasanth P.	MACFAST Student talk
07.11.2016	Effect of hydrocolloids on frozen noodles	Aleena T Mathews	MACFAST Student talk
21.11.2016	Phylogenetic structure of Prokaryotic domain: Primary Kingdoms	Elma Susan Reji	MACFAST Student talk
	Cold plasma technology in food processing	Feba Das	MACFAST Student talk
	Secondary metabolites	Dilna Dinesh	MACFAST Student talk



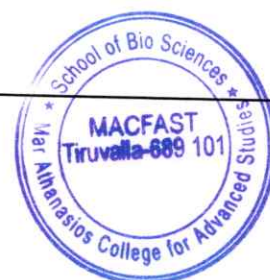
5.12.2016	Thin Layer Chromatography	Vineeth Francis	MACFAST Student talk
19.12.2016	Fertilization in flowering plants	Lekshmi S Kumar	MACFAST Student talk

## 2017

16.01.2017	High Throughput Sequencing	Kesiya Joy	MACFAST Student talk
	Next generation sequencing methods	Annu S George	MACFAST Student talk
09.01.2017	Dissymetry and Assymetry	Sonia Philip	MACFAST Student talk
09.01.2017	Pollination in flowering plants	Anashwara Shyam	MACFAST Student talk
06.03.2017	Structure of Collagen	Ria Elza Varghese	MACFAST Student talk
	Biosensors of Food Industry	Hima Devadas	MACFAST Student talk
13.03.2017	Resistant Starch as Prebiotic and Dietary Fibre	Osheen Oliver	MACFAST Student talk
	Nutrition in Infants	Ooshmala B	MACFAST Student talk
27.03.2017	Evaluation of new idegenous milkdot ELISA asa field test for the detection of Myobacterium subspecies Paratuberculosis infection in lactating domestic live stock	Litty Thomas	MACFAST Student talk
27.03.2017	Antimicrobial activity of Myrobalan (Terminalia Chebula Retz) nuts for the application in raw skinpreservation	Gayathri U	MACFAST Student talk
03.04.2017	Womb with a view	Varsha S. S.	MACFAST Student talk
15.5.2017	Zero Waste Management	Nadiya Nazer	MACFAST Student talk



12.06.2017	Innovations in food technology for Health	Abhirami S. Nair	MACFAST Student talk
	Black Carrots	Ammu Bejoe	MACFAST Student talk
	DNA Polymerase and Human Diseases	Rehumath A. S.	MACFAST Student talk
19.06.2017	A Peel Science	Vishnu C.	MACFAST Student talk
26.09.2017	Effect of cooking process on the level of nifedipine in pork	Teena Joseph	MACFAST Student talk
	Epidemiological studies of monosodium glutamate and health	Ansu Mary	
03.10.2017	Hazard analysis critical control point	Athira Rajan	MACFAST Student talk
09.10.2017	Ribosome associated protein quality control	Anjali S.	MACFAST Student talk
23.10.2017	An Introduction of Genetic Engineering	Neha Lukose	MACFAST Student talk
30.10.2017	A Day with an Entrepreneur	Dr. Muhammed Majeed	MACFAST Student talk
30.10.2017	Project report presentation at Nestle Nanjangod Maggi Noodles plant	Keerthana Roop	MACFAST Student talk
13.11.2017	Lactosomia, Galactosomia, Hereditary Fructose Intolerance	Remina M Shajahan	MACFAST Student talk
	Heat Shock Proteins	Sijila S. P.	MACFAST Student talk
20.11.2017	Cryo Electron Microscopy	Basma Yusuf	MACFAST Student talk
	Secondary metabolism in plant cell culture	Amal Anand	MACFAST Student talk
24.11.2017	Systems Approach in Biotechnology	Dr. Sharma	
18.12.2017	Gut microbiota facilitates dietary heme induced epithelial hyperproliferation by opening the mucus barrier in colon	Durga Venugopal	MACFAST Student talk



## 2018

29.01.18	Food laws and food packaging specifications	Twinkle Jose	MACFAST Student talk
12.02.2018	Dyes and pigments	Akshaya S. S.	MACFAST Student talk
28.04.2018	Genetic Engineering	Akshay B.C.	MACFAST Student talk
30.04.2018	Phylogenetic Analysis and phylogenetic trees	Benitta Benny	MACFAST Student talk
21.05.2018	Dinacharya	Amal P. K.	MACFAST Student talk
03.09.2018	Light and Helio therapy	Anisha	MACFAST Student talk
	Photoimmunotherapy fpr cancer treatment	Veena C Nair	MACFAST Student talk
17.09.18	Embedded susem in automobile	Linus	MACFAST Student talk
24.09.2018	An introduction to the world of photography	Amol Joseph Varghese	MACFAST Student talk
01.10.2018	Food colourants	Sreelekshmi B S	MACFAST Student talk
	Selection of packaging materials based on different types of foods	Susanna Joy	MACFAST Student talk
	Antimicrobials in foods	Aryama Krishna	MACFAST Student talk
08.10.2018	Highthroughput DNA sequencing, concept and limitations	Staicy Treesa Tommy	MACFAST Student talk
	Bioplastic	Akhil R Chandran	MACFAST Student talk
15.10.2018	The weird and wonderful world of bioluminescence	Video show	MACFAST Student talk
22.10.2018	An Introduction to malnutrition	Akshaya C	MACFAST Student talk





29.10.2018	Tissue culture and next generation sequencing	Appus M V	MACFAST Student talk
	Eccentric endangered plants, trees and some rareflowers	Athira Thomas	MACFAST Student talk

## 2019

25.02.2019	Bioprocess development of Docosohexanoic acid from novel fungal isolation from Fusarium solani	Gopika S Pillai	MACFAST Student talk
	Isolation and gene expression analysis of phospholipase C in response to abiotic stresses from Vigna radiata	Athira R Thankan	MACFAST Student talk
	Enzyme Therapy	Veena C Nair	MACFAST Student talk
25.03.2019	Phylogenetic Structure of the prokaryotic domain: The primary kingdoms	Amal Joseph Varghese	MACFAST Student talk
	Phytochemical screening and evaluation of polyphenols, flavanoids and anti-oxidant activity of Peanus cerasoides	Merin Shaji	MACFAST Student talk
06.05.2019	Phytochemistry: Report presentation carried out at JNTBGRI Palode under the guidance of Dr. Rameshkumar	Veena C Nair	MACFAST Student talk
06.05.2019	The assessment of Abelmoschus esculentus cultivation using biofertiliser with newspaper waste	Haritha K	MACFAST Student talk
20.05.2019	Internship report on Ambadiyil Hi-tech Dairy-Milk processing	Rowena Susan Pradeep	MACFAST Student talk



	Analysis of milk and milk products	Silpa May John	MACFAST Student talk
	Chemical and Microbiological analysis of milk and milk products	Ajmal Kallar Moidu	MACFAST Student talk
	Bioinformatics tools	Anjana	MACFAST Student talk
10.06.2019	Comparative study on organic acid content, phenolic content, antioxidant property of different non-carbonated, natural cool drinks available in the market	Ajith P A	MACFAST Student talk
15.07.2019	Naturally occurring anthraquinones: Chemistry and therapeutic potential in autoimmune diabetes	Brdget Jose	MACFAST Student talk
	Microbial quality of fresh produce from open airmarkets and supermarkets in the Philippines	Athira P	MACFAST Student talk
22.07.2019	Coffee consumption and decreased risk of hypertension	Jeemol Thomas	MACFAST Student talk
29.07.2019	Production of biologically activated carbon from orange peel	Akshaya P. T.	MACFAST Student talk
	Neurofibromatosis type I and spontaneous hemothorax	Sonet D Thomas	MACFAST Student talk
05.08.2019	Production of paper from sugarcane bagasse and Banana fibres	Tasneem	MACFAST Student talk
	Technology for preservation retention of natural food colour	Freedia	MACFAST Student talk
	Transgenic plants as bioreactors to produce edible vaccines	Ashish	MACFAST Student talk
19.08.2019	You can make a forest- Miyawaki afforestation method	Anisha Anto	MACFAST Student talk
	Lets talk about depression	Sajith S Nair	MACFAST Student talk

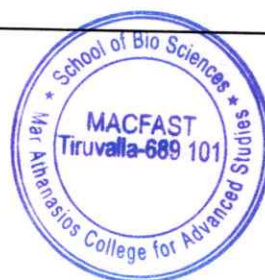


26.08.2019	Illumina Sequencing		MACFAST Student talk
16.09.2019	Bioengineered skin system	Preena S Parvathy	MACFAST Student talk
23.09.2019	Bacteriostatic activity of lemon juice on skinStaphylococcal infection	Sruthy	MACFAST Student talk
	Role of HPLC in food analysis	Devika	MACFAST Student talk
	Amazonia	Levin	MACFAST Student talk
30.09.2019	Introgression of semi-dwarf gene in Kalanamakrice using marker assisted selection breeding	Amala Antony	MACFAST Student talk
	Cryonics	Ancy Alfred	MACFAST Student talk
	The importance of forgetting	Mejo George	MACFAST Student talk
	The future of transportation-Hyperloop	Nirmal Paulose	MACFAST Student talk
09.12.2019	Student Interaction with HoD, Mr. BijuDharmapalan	Mr. Biju Dharmapalan	MACFAST

## 2020

27.01.2020	Antidiabetic activity of methanol extract ofPhyllanthus reticulatus leaves in mice	Aparna Tom	MACFAST Student talk
	Biosynthesis and characterisation of nano chitinfrom crab shell	Haritha M. A.	MACFAST Student talk
10.02.2020	Microbial production of biodegradable plasticfrom agricultural waste	Krishnapriya H	MACFAST Student talk
	Corona Virus	Thasneem Nissam	MACFAST Student talk

Seminars conducted  
online due to  
lockdown



# 2021

08.03.2021	Monday Seminar	Nagalakshmi	MACFAST Student talk
15.03.21	Bioscience and space research	Goutham	MACFAST Student talk
	Food additives	Aksa	
22.03.21	Monday Seminar	Hannah Daniel	MACFAST Student talk
	Monday Seminar	Lekshmi	MACFAST Student talk
29.03.2021	Monday Seminar	Alphonsa Thomas	MACFAST Student talk
12.04.2021	Monday Seminar	Poornima R	MACFAST Student talk

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Dr. Tracea Varghese.

Co-ordinator.



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