

BIOCHEMISTRY DEPARTMENT

Department Research

- **YUVA MASTERMIND PROGRAMME 2018**

Department of Biochemistry initiated students to participate in **Yuva mastermind programme** conducted by 'Malayala Manorama' daily and secured Third prize in the contest including Rs. 40,000, Award and Prasthipathram. The programme was intended to enhance the research aptitude in students by doing a short project in an applied field.

Project title: **Emergency water purification cartridge**

We developed a very simple method for purifying water under emergency conditions like travelling, mountain climbing etc

The team included: **Dr. Deepa G Muricken (Mentor)**

Students from MSc and BSc Microbiology

1. Remya M. S
2. Jisha Jose
3. Joohi Mathew
4. Swetha Jeevan
5. Raina Mary Shaju



മലയാള മനോരമ - ഐബിഎസ് - യുവ മാസ്റ്റർമൈൻഡ് ഗ്രാൻഡ് ഫിനാലെ കോളേജ് വിഭാഗം മൂന്നാം സ്ഥാനം നേടിയ തൃശ്ശൂർ സെന്റ് മേരീസ് കോളേജ് ടീം കേന്ദ്രമന്ത്രി അൽഫോൺസ് കണ്ണന്താനത്തോടൊപ്പം. ജൂറി ചെയർമാൻ ജി.വിജയരാഘവൻ, മലയാള മനോരമ ഡയറക്ടർ എഡിറ്ററും ഡയറക്ടറുമായ ജയന്ത് മാമ്മൻ മാത്യു, ഐബിഎസ് ഫൗണ്ടറും എക്സിക്യൂട്ടീവ് ചെയർമാനുമായ വി.കെ. മാത്യുസ്, അമൽജ്യോതി എൻജിനീയറിങ് കോളേജ് പ്രിൻസിപ്പൽ സെൽ.വി. ഉദാകാപാമ്പിൽ എന്നിവർ സമീപം.

ചിത്രം: മനോരമ

WE also mentored the students from Devamatha CMI Public School Thrissur and developed a product MASTER BIN: A Complete solution for biowaste management which acts as a mosquito trap. The project was selected for **Yuva mastermind final exhibition** conducted by 'Malayala Manorama'.

Team Included:Dr. Deepa G Muricken (Mentor)

Students:

1 Jerry Jose Std IX

2 Ahrar Aminah Std IX

3 Shaun Deepak Std V

4 Joe Peter Prince Std IX

5 Cris Sebastian P Std VI



Awareness class on waste management and demonstration of MasterBin

An awareness class on kitchen waste management and demonstration of waste management using newly developed Masterbin was given to the members of Co-operative Road Residents Association on 29 th March 2018 by Dr. Deepa G Muricken, St. Mary's College Thrissur.



MSC Project completed

- 1. Synthesis of wound healing material and its Characterization by Nima Lawrence under the guidance of Dr. Deepa G Muricken**
- 2. Evaluating Pharmacognestic properties and production of Bioethanol from coconut husk by Anjali A V under the guidance of Dr. Deepa G Muricken**

BSC Project ongoing

- 1. Screening and identification of cellulase, amylase, Lipase and protease producing organism from organic compost by Jismi T. J, Keerhana Chandran, Aiswarya Jaimon and Greeshma C V under the guidance of Dr. Deepa G Muricken.**

Research Collaboration

- 1. Research collaboration with Dr. Joycee , Department of Zoology, St. Thomas College Thrissur for the PhD work of Ms. Sheeba Raphael**
- 2. Research collaboration with Prof. Sabu Thomas, Provice Chancellor, M. G Universiy, Kottayam, for the project Synthesis of wound healing material and its Characterization.**