

Maris Stella College (Autonomous), Vijayawada

Department of Biotechnology Activities of the Department

2015- 16

BIOLOGY EXHIBITION

Department of biotechnology has conducted a one day biology exhibition on August 13th 2015. Students of Biotechnology has exhibited various models related to Microbiology, r-DNA technology, Genetic engineering, Tissue culture and Immunology.



GUEST LECTURE

Department has conducted a guest lecture on “Auto immune diseases” on 21-11-2015 by Dr. K. Shrinivasulu, Head of the department of Biotechnology, K L university, Vaddeswaram.



2016-17

INTERCOLLEGIATE MEET:

In an effort to bring enormous potential to address these concerns through the foods with therapeutic properties in the form of probiotic curd, probiotic milk, yoghurt, green tea etc and to promote healthy food choices through the increased consumption of fruits and vegetables, the college Bio-technology department hosted an intercollegiate meet in the name of “21st century nutrition-health fair-2016” on 14 December 2016. Special invitees are Dr. Saloni Sidana, IAS (sub collector, Vijayawada), Smt. Suneetha Devi, extension officer ICDS, Kusuma Neela, M.Sc., MBA (Ph.D.)



GUEST LECTURE:

Department of biotechnology has conducted guest lecture on 6-10-17, on the topic DNA-replication by Dr. P. Sudhakar, head of the department of biotechnology, Acharya Nagarjuna university, Guntur. 70 students attended the lecture.



2017-18

GUEST LECTURE:

Department of biotechnology has conducted a guest lecture on 8-8-17, on “future prospects of Biotechnology” by Dr. J.N. Lavanya Latha, Assistant professor, department of Biotechnology, Krishna university. 72 students attended the lecture.



GUEST LECTURE:

Guest lecture on "carrier guidance in Biotechnology " organized by Department of Biotechnology on 11-11-17, resource person is Dr. G. M. Sheela , managing director, Biotech III, Vijayawada. 72 students from the department attended the lecture.

WORKSHOP

Workshop on molecular techniques conducted by the department of Biotechnology on 5-12-17. The resource person is Dr. G. M. Sheela, Managing director, Biotech I.I.I, Patamata, Vijayawada. 32 students were attended and learned the techniques.



INDUSTRIAL TOUR

An industrial tour to "Indian Immunologicals limited" Rakshapuram, Gachibowli, Hyderabad on 29-1-18. 38 students were visited the Human biologicals institute in Indian Immunologicals limited.



2018-19

INDUSTRIAL TOUR:

04-01-2019 to 05-01-2019- Industrial Tour to Blue Ocean Biotech Pvt Ltd, Samalkota

We the department of biotechnology organized a tour for our students of II and III Years to Blue Ocean Biotech Pvt Ltd, Samalkota, Kakinada. This industry manufactures Starch, Gluten, Liquid Glucose, Malto-dextrose, Fiber, Germ layers, Cellulose fiber from maize and producing 3.89 MWts of power from palm fiber, wood chips and paddy husk. This industry plays a important role in waste water treatment and supplies water to farmers to cultivate their fields. They mainly supply the liquid glucose the main source of candy preparation and Malto-dextrose, a raw material for baby food products to Lotte, Parle, and Ravi foods. Visiting of Blue Ocean Biotech helps our students to acquire a good knowledge and great exposure to industry.



GUEST LECTURE

"Orientation on Research and Entrepreneurship in Biotechnology" was conducted by the department. Resource person is Mr Hussain Basha syed, Managing director, Innovative Informatica, Hyderabad. 60 students of B.SC Biotechnology were attended the lecture.



2019-20

Medical Camp for the Faculty

Free Medical Camp for the faculty was organized by the department of Biotechnology on 31-08-19 in Collaboration with Best Hospitals, Vijayawada. Medical services like ECG, BMD, GRPS, HAEMOGLOBIN%, PULMONARY FUNCTION TEST and BIOTHESIOMETRY were provided for free of cost in the camp. The following consultants have offered their services to the faculty – Dr. E. Anil Kumar MD, DM Cardiology (NIMS), Dr. K. Santosh Krishna MS, Mch (Ortho), Dr. K. Pavan Kumar D (Ortho), DNB (Ortho), Dr. P. Uday Sarvani DDVL (Dermatology & Cosmetology), Dr. B. Sri Teja MD (Pulmonary Medicine), Dr. V.Venkayya MS (ENT), Dr. N. P. Dileep Kumar BPT (Physiotherapy)



DEPARTMENT FEST “BIOSCINTILLARE-2K19, IT’S TIME TO INSPIRE”

One day State Level Fest was held on 04-09-19 to develop 21st century skills with a focus on scientific knowledge, creativity, critical thinking and problem solving in the field of Biotechnology. Various competitions like Poster, Model, Case study presentation, Quiz, How Much Do you know about me, Ad zap, Mr. & Ms. Bioscintillare, Dance were conducted. 116 students from 5 different colleges in Vijayawada have participated and won the prizes. Champions Trophy was won by Siddhartha Mahila Kalasala For their maximum participation and winning the prizes in all the competitions.



MEDICAL CAMP FOR THE STUDENTS

“Medical Camp for the Students- Because Your Life Matters” was organized for the college students on 09-09-19 in Collaboration with Best Hospitals, Sky Eye Health Foundation, Kolors, and Sunrise Hospitals. 300 students were make avail the medical services related to eye and Dental check-ups, BMI, BMD and consulted Ortho and General Physicians. The consultants available on the day are Dr. K. Santosh Krishna MS, Mch (Ortho), Dr. K. Pawan Kumar D (Ortho), DNB (Ortho) , Dr. T. Harinath, MD General Physician, Dr. S. Ratna Deepika MDS (Oral & Faciomaxial Surgeon) Dr. Apoorva Seshagiri , BDS, Dr. Sujith Kumar Dasari , BHMS



AWARENESS PROGRAMME ON “BODY POSTURES FOR TEACHERS TO AVOID STRESS”

An awareness programme was organized for the Faculty on “Body Postures for Teachers to Avoid Stress” by Dr. K Santosh Krishna MS, MCh (Ortho), Dr. K. Pawan Kumar D (Ortho), DNB (Ortho), Best Hospitals, Vijayawada on 09-09-19 at 2:00- 3:00 PM in the College auditorium.



AWARENESS PROGRAMME ON “ORAL HYGIENE”

An awareness programme for the Students on “Oral Hygiene” by Dr. Ratna Deepika MDS (Maxillofacial Surgeon) on 09-09-19 at 3:00PM in the college auditorium.



AWARENESS PROGRAMME ON “BASIC LIFE SUPPORT”

An awareness Programme for the students on “Basic Life Support” by Lt. Col. Dr. Y. Ashok, Consultant Anesthesiologist, Ramesh Hospitals, Dr. Vasundara, Gynecologist, Ramesh Hospitals, Vijayawada on 09-09-19 at 3:30PM in the college auditorium.



INDUSTRIAL TOUR

We the Department of Biotechnology organized an industrial tour for Biotechnology students of II and III Year on 09-01-2020 to 10-01-2020 to Bio-Genomics and Refsyn Biosciences Pvt Ltd, Pondicherry.





GUEST LECTURE

“Trends in Biological sciences – New fields of focus” was conducted in Maris Stella College auditorium on 21.01.2020 by Department of Biotechnology with Resource person Dr.Rajkumar Vutukuri Ph.D, PDF Department of Neurology and NeuroSurgery Frankfurt University,Germany. An overall 150 students had attended the session and the session included about bottlenecks to discover medicines and overcome Blood brain barriers, Hot research areas, universities offering integrated Ph.D’s , various job opputunities in India, Prestigious scholarships in India, How to strengthen one’s C.V ,more areas of opportunities for Science Graduates and Scholarships, opportunities and advantages of German education.



2020-21

International webinar

The recent outbreak of COVID-19 in Wuhan turned into a public health emergency of international concern. It has crashed the economics, broken health care systems, filled hospitals and emptied public spaces. Developing a safe and effective COVID-19 vaccine is a global priority to end this pandemic. Researchers worldwide are working round the clock to find a vaccine against SARS-CoV-2, the virus causing the COVID-19 pandemic. However, previous attempts to develop vaccine against coronavirus diseases, SARS and MERS led to the gathering of considerable knowledge about the structure and function of coronavirus which accelerated rapid development. As a stakeholders in higher education and in particular as a Department of Biotechnology on 9-06-2020 with Resource person Dr.Rajkumar Vutukuri Ph.D, PDF Department of Neurology and NeuroSurgery Frankfurt University,Germany has delivered a talk. An overall 456 participants attended the session and we take it as a responsibility to disseminate knowledge of the progress of vaccine preparation against COVID-19.

MARIS STELLA COLLEGE (AUTONOMOUS)
A COLLEGE WITH POTENTIAL FOR EXCELLENCE
VIJAYAWADA-S.A.P,INDIA
since 1962

INVITATION
DEPARTMENT OF BIOTECHNOLOGY
ORGANIZING AN INTERNATIONAL
WEBINAR ON
**"HOW NEAR IS THE
CORONA END-VACCINES
AND DRUGS ON TRIAL"**
DATE:9-06-2020
TIME: 2:00 PM (INDIA)
10:30AM (GERMANY)
FREE WEBINAR LINK:
<https://forms.gle/nzwwDQnbZMqnTm58A>
For queries contact:
9908056938
7832509222
biotecdept@marisstella.ac.in

ABOUT WEBINAR
The recent outbreak of COVID-19 in Wuhan turned into a public health emergency of international concern. As per WHO reports, the virus has spread to almost every country, infecting at least 5,000,000 and leading to the death of 3,47,200, as on 31st May 2020. It has crashed economies, broken healthcare systems, filled hospitals and emptied public spaces. It has disrupted modern society on a scale that most living people have never witnessed. What we now know yet to have the pandemic will end. This coronavirus is unprecedented in the combination of its easy transmissibility, a range of symptoms going from none at all to deadly, and the extent to which it has disrupted the world. Developing a safe and effective COVID-19 vaccine is a global priority to end this pandemic. Researchers worldwide are working round the clock to find a vaccine against SARS-CoV-2, the virus causing the COVID-19 pandemic. However, previous attempts to develop a vaccine against the coronavirus diseases, SARS and MERS led to the gathering of considerable knowledge about the structure and function of coronaviruses - which accelerated rapid development during early 2020 at varied technology platforms for a COVID-19 vaccine - but all the previous coronavirus vaccine candidates failed in early-stage clinical trials, with some being advanced to licensing.

As stakeholders in higher education and in particular as a Department of Biotechnology, we take it as our responsibility to disseminate knowledge of the progress of vaccine preparation against the COVID-19. This International Webinar is our contribution to raising awareness of the current situation to our fight to conquer COVID-19.

KEYNOTE SPEAKER:
Dr. RAJ KUMAR VUTUKURI
DEPARTMENT OF NEUROLOGY AND NEUROSURGERY
UNIVERSITY CLINIC
FRANKFURT, GERMANY
vutukuri@med.uni-frankfurt.de

Co-convenor
Ms.T.Rajeswari, M.Sc
Department of Biotechnology

Chief patron:
Dr. Sr. Jeevitha Quadras, IAS
Principal, Maris Stella college

Convener
J. Laxma M.Sc, B.Ed, APSET
HOD, Department of
Biotechnology,
Maris Stella College,
Vijayawada.

NOTE:
• Webinar platform is Google Meet. Link will be sent to your registered mail on the day of Webinar
• Certificate of participation will be given to all participants

REC W Webinar MSC is presenting 2:04 PM

How near is the Corona end - Vaccines and drugs on trial

Rajkumar Vutukuri
Webinar- Maris Stella college
09/06/2020

Participants: Rajkumar Vutukuri, Kalyan Chandra, Somena Bano, Nisha Jagan, Dufayn Khath, Raj Beari, Sridhar Jasti, Hiji Marja

INTERNATIONAL WEBINAR

Department of Biotechnology on 20 February 2021 with Resource person Dr. Digumarthi V S Sudhakar, Scientist C, Department of Gamete Immunology, ICMR- National Institute for Research in Reproductive Health, Mumbai, Maharashtra, India has delivered a talk on “m-RNA vaccines: A New Era in Vaccination”. He has thrown light on origin of vaccine development that is from pre 18th century to the present pandemic time. He also enlightened us on different types of vaccines, generation of immune responses to vaccine, mRNA vaccine pharmacology, Clinical trials with mRNA vaccines against cancer and mechanisms of working on how COVAXINTM - India's First Indigenous COVID-19 COVISHIELD™ (manufactured by Serum Institute of India Pvt Ltd) and COVID-19 Vaccine AstraZeneca (manufactured by AstraZeneca) are ChAdOx1nCoV- 19 Corona Virus Vaccines (Recombinant) in fighting against pandemic time. A total of 130 participants attended the session and we take it as a responsibility to disseminate knowledge of the progress of mRNA vaccines preparation against different diseases and infections.

