

# INN:VATE

NEWSLETTER 2024



**SIR SYED INSTITUTE FOR  
TECHNICAL STUDIES**



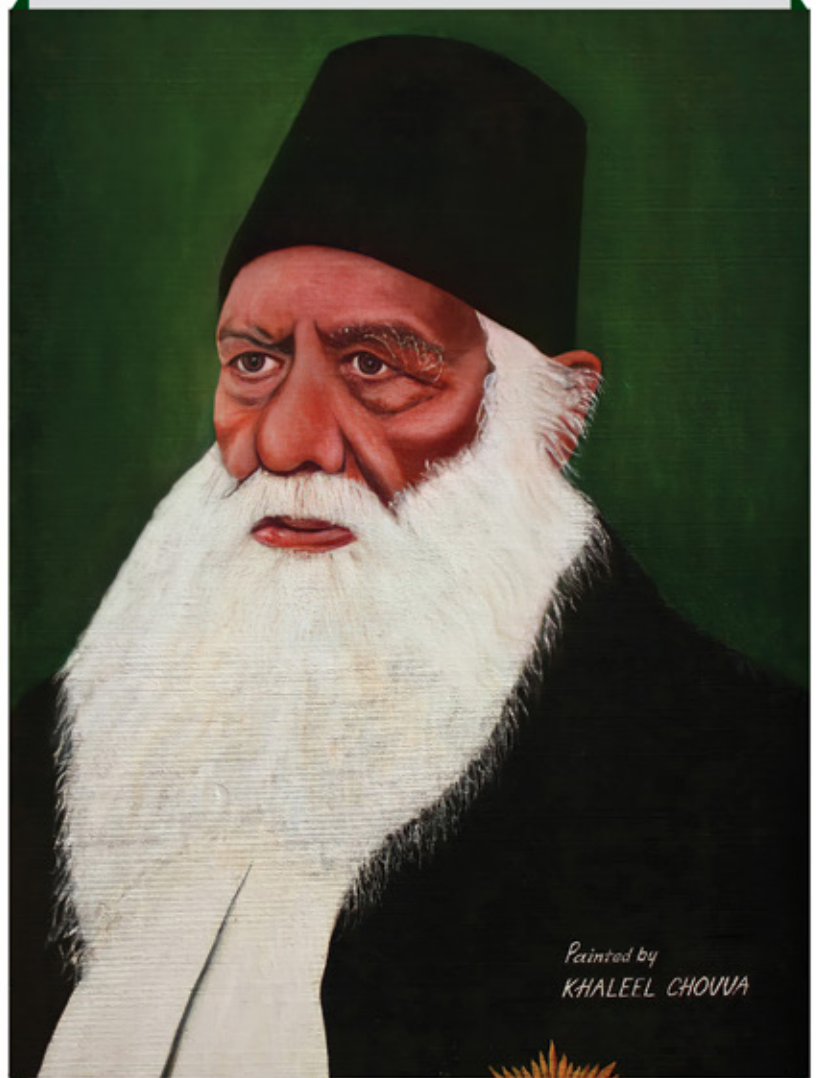
**P.G. DEPARTMENT OF BIOTECHNOLOGY**

AFFILIATED TO KANNUR UNIVERSITY  
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## Sir Syed Ahmad Khan

One of the architects of modern India was born on 17th October 1817 in Delhi. He was one of those early pioneers who recognized the critical role of education in the empowerment of the poor and backward community. In more than one ways, Sir Syed was one of the greatest social reformers and a great nation builder of modern India. He began to prepare the road map for the formation of a Muslim University by starting various schools. He instituted scientific society in 1863 to instill a scientific temperament into the Muslims and to make the western knowledge available to Indians in their own language. He died on 27th March 1898 and lies buried next to the main mosque at Aligarh Muslim University.



*Painted by  
KHALEEL CHOUVA*

# Editorial



## CHIEF EDITOR

**Dr. Siraj M.V.P**

Head of Department  
Department of Biotechnology  
Sir Syed Institute for Technical Studies

**D**ear Students, Faculty, Alumni, and Esteemed Guests,

As we gather to celebrate the 20th anniversary of our Biotechnology Department, I am filled with immense pride and gratitude. This milestone represents not only two decades of scientific exploration and innovation but also the collective efforts of countless individuals who have contributed to our journey. Over the past 20 years, we have witnessed remarkable advancements in biotechnology, transforming the landscape of science and medicine. Our department has been at the forefront of this evolution, fostering a spirit of curiosity and collaboration that empowers our students and faculty alike.

As we celebrate the 20th anniversary of the Department of Biotechnology, I would like to take a moment to acknowledge and express our heartfelt gratitude to our management for their unwavering support and vision. Over the past two decades, the department has flourished, driven by a commitment to innovation, research, and education. Their leadership has been instrumental in fostering an environment that encourages exploration and excellence. I would like to take this opportunity to express my deepest appreciation for our Principal Dr. Khaleel K.M. his visionary leadership and unwavering support have been instrumental in our department's success and growth over the last few years.

I want to take a moment to acknowledge the dedication of our faculty members, whose passion for teaching has inspired generations of students. Their commitment to excellence has established our department as a leader in the field. To our students, your enthusiasm and drive to push boundaries are what fuel our progress. You are the future of biotechnology, and I am excited to see the incredible contributions you will make. Let us also honour our alumni, whose achievements in various sectors are a testament to the strong foundation laid here. Your success stories motivate us to continue striving for excellence and to nurture the next wave of innovators.

As we celebrate this significant milestone, let us reflect on our past, embrace the present, and look forward to a future filled with possibilities. Together, we will continue to explore new frontiers in biotechnology, fostering a culture of innovation and collaboration that benefits society. Thank you for being part of this celebration.

# Editorial



## EDITOR

**Mrs. Thasneem Abdulla**

Assistant Professor  
Department of Biotechnology  
Sir Syed Institute for Technical Studies

**G**reetings all!

It is a matter of great pride that the P.G Department of Biotechnology is celebrating its glorious twenty years. The field of Biotechnology continues to unveil remarkable possibilities that hold the potential to reshape our world. From sustainable agriculture to groundbreaking medical therapies, biotechnology research is more critical than ever. Our Department is committed in providing a stimulating learning environment that prepares the students for the dynamic field of biotechnology. The Department has always been at the forefront in bringing out programs and activities of diverse kinds to give our students a broad exposure to the latest trends and developments in the field of science. This newsletter is a reflection of the Departmental initiatives in the form of seminars, webinars, workshops, hands-on laboratory experiences, and other collaborations. Whether you are a student eager to explore the frontiers of scientific discovery or a faculty member dedicated to advancing knowledge and innovation, I invite you to discover the diverse range of activities showcased in this compilation.

As we look back on our achievements, it's also a time to envision the future. The Department strives to cultivate a vibrant community of learners who are equipped to address the challenges and opportunities in biotechnology today and in the future. It will be exciting to see how the next generation of biotechnologists from our department will rise to these challenges.

I extend my heartfelt gratitude to Management, Principal, Head of the Department, Dr.Siraj MVP, all the faculty, staff and students for their valuable contribution in the success of the Department's endeavors.





**രാമചന്ദ്രൻ കടന്നപ്പള്ളി**  
രജിസ്ട്രേഷൻ, ജ്യോതിഷം,  
പുരാവസ്തു & പുരാതന വസ്തുജ്ഞി  
കേരള സർക്കാർ



തിരുവനന്തപുരം  
തീയതി..... 07/11/2024

### MESSAGE

Sir Syed Institute for Technical Studies under the management of Cannanore District Muslim Educational Association is well known for its dedication. I am very happy to note that the P G Department of Bio-Technology is celebrating its 20<sup>th</sup> Anniversary. Bio-Technology has a prominent role to play in our day to day life. It is also noted that a News Letter is being published to bring out the achievements of the two decades of the developmental activities of the department.

Kerala Government is providing all facilities for promoting higher education. I extend my sincere wishes to dear students and teachers and management and PTA. May your hardwork and sincerity achieve a prestigious position in the educational arena.

With Warm regards,

**Ramachandran Kadannappalli**

*Ram*  
07/11/2024

**Minister for Registration, Museum, Archaeology & Archives**

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## Message



**Dr. Anup Kumar Kesavan**

Director  
Internal Quality Assurance Cell  
Kannur University

As we commemorate the 20th anniversary of the P.G. Department of Biotechnology at Sir Syed Institute for Technical Studies, I extend my most sincere congratulations to both the esteemed faculty and the diligent students for this extraordinary accomplishment. Over the past two decades, your steadfast commitment to the advancement of biotechnology has profoundly enriched the realms of research and education. Your relentless pursuit of innovation and excellence has inspired innumerable students and laid a robust foundation for a promising future. As you celebrate this significant milestone, take great pride in your achievements and embrace the exhilarating prospects that await. I wish you many more years of success.

## Message



**Prof. Anu Augustine**

Director of Research  
Kannur University

On the occasion of the 20th anniversary celebrations of the Dept. of Biotechnology, SSITS, I am glad to pen a few words about their journey. The department was started with the vision to cater to the need for a Biotechnology programme in Kannur in addition to the university department. It began with a M.Sc in Biotechnology, later adding B.Sc and now FYUGP, honours, research and so on. The department has moulded several exemplary researchers and teachers to date. Under the able guidance of the well-trained faculty, the department is bound to scale great heights. I wish the Sir Syed Institute Biotechnology family, all the very best.

## Message



**Adv. P Mahamood**

President

Cannanore District Muslim Educational Association

As we gather to celebrate the 20th anniversary of our Department of Biotechnology, I am filled with pride and gratitude for this remarkable milestone. This celebration not only marks two decades of excellence in research and education but also reflects the collective effort of everyone involved in our journey. I want to extend my heartfelt appreciation to the faculty, staff, and students for their dedication and hard work, which have positioned the department at the forefront of biotechnology advancements. Your commitment to innovation and collaboration has truly made a difference.

I would also like to acknowledge the leadership of Head of Department Dr. Siraj M.V.P and the unwavering support from our Principal Dr. Khaleel K.M. Together, you have fostered an environment where creativity thrives and future leaders are nurtured. As we look ahead, let us continue to embrace challenges and pursue new opportunities in this ever-evolving field. Here's to another 20 years of success, discovery, and making a meaningful impact on the world!

Warmest regards,



## Message



**Janab. Mahamood Allamkulam**

General Secretary  
Cannanore District Muslim Educational Association

It is with great joy that I extend my warmest greetings as we celebrate the 20th anniversary of our Department of Biotechnology. This milestone is a reflection of the hard work, passion, and dedication of everyone associated with Biotechnology department. I am also excited to announce the release of special anniversary newsletter, which highlights the achievements, groundbreaking research, and the incredible journey undertaken by department of Biotechnology over the past two decades. It serves as a testament to collective efforts and the vibrant community they have built. A heartfelt appreciation to Head of department, faculty, and students for your commitment to excellence and innovation. Your contributions have not only advanced the field of biotechnology but have also inspired future generations.

Congratulations to all on this significant achievement!

Warm regards,

# Message



**Dr. Khaleel K M**

Principal

Sir Syed Institute for Technical Studies

## Celebrating 20 Years of Excellence: Department of Biotechnology, Sir Syed Institute for Technical Studies

The Department of Biotechnology at Sir Syed Institute for Technical Studies, a self-financing institution affiliated with Kannur University, marks a significant milestone in 2024—completing 20 years of dedicated service to the field of biotechnology education and research. Since its inception in 2004, the department has evolved into one of the most prestigious institutions, nurturing talent and fostering innovation. Over the past two decades, the department has achieved remarkable academic and research accomplishments. It has proudly secured 40 ranks in the UG and PG examinations conducted by Kannur University. Additionally, 10 students have qualified for prestigious fellowships such as CSIR NET/JRF, ICAR, DBT, BIRAC, KSCSTE, and INSPIRE, showcasing the high caliber of students the department produces.

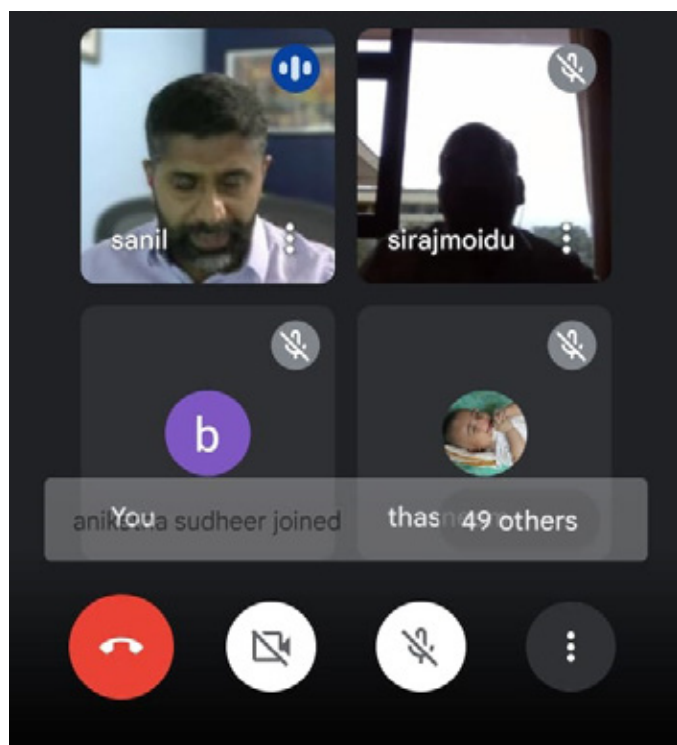
The department has also contributed significantly to research, with 7 alumni having earned their Ph.D. degrees and 7 more currently engaged in research. The students have collectively published 10 international research papers and, in a groundbreaking achievement, have discovered 3 novel gene sequences, further highlighting the department's commitment to scientific advancement. The success of the Department of Biotechnology is not just limited to academics and research; many of our alumni have secured positions of prominence in various countries, excelling in both industry and academia. On this occasion, I extend my heartfelt congratulations to the faculty, students, staff, and alumni of the department. I wish you all continued success and growth in the years to come.

## CAREER OPPORTUNITIES IN BIOTECHNOLOGY-COB

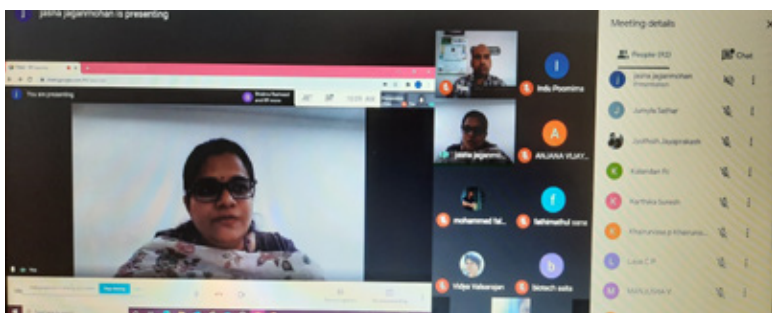
Career Opportunities in Biotechnology (COB) seminar series introduced by Department of Biotechnology in the year 2015, is undoubtedly one of the most successful and vaunted academic programme. The objective of this initiative was to provide our students an opportunity to interact with the Alumni of the Department who are well-placed in the field of Biotechnology around the globe. The 8th, 9th and 10th session of the series was, held on 3rd, 9th and 15th December 2020 as online sessions and the sessions were, respectively, handled by Ms.Remya M, Senior Process Associate, TCS, Chennai; Ms.Jaseera KV, Senior Research Scholar, CMFRI, Cochin and Ms. Induja P.P, Teacher, Kadathanad Rajas Higher Secondary School, Purameri, Calicut. Each session was a new learning experience for the students and received overwhelming responses.

The 11th session of COB was held as an online session on 1st January 2021 and was addressed by Ms. Anupuma IV, Quality Control Executive, Syngene International Ltd, Biocon Park, Bangalore. She gave the students a sneak-peek into the possibility of securing a job in the Biotechnology industrial sector. The 12th session of COB was held on 7th January 2022 and the speaker was Faiza Abdul Rasheed, Senior Assistant Researcher, Research Core Facility, Kuwait University. She shared her work experience and also gave the students an idea of the job openings currently provided in Kuwait. The 13th session of COB was held on 11th February 2022 and the students were addressed by Ms.Shamseera V.V, UGC-JRF, Central University of Kerala, Kasaragod. Students enjoyed listening to the career path their senior followed to ultimately land in the current position.

A special edition of COB series was conducted on 18th January 2021, by inviting Dr.Jesna J Mohan, Head and Lab Director, Clinical Genomics Lab, BioReserve Biotechnologies Ltd, Repro Cell Company, Hyderabad, India, to address the students. Her vast experience in the field of Biotechnology and her comprehensive presentation highly benefitted the students in gaining a thorough understanding of the Biotechnology job market. The session received big thumbs up from the students. A second special edition of COB series was held on 15th July 2022 as an online session. The session was handled by Dr.Sanil Sansar, Medical Science Liaison, General Medicines, New Jersey, USA. Being a veteran in the field of pharma, he gave an extensive and thorough talk on career opportunities in Pharma industry for Biotechnology students. Dr. Anu K, Chief Minister's Nava Kerala, Post-Doctoral Fellow, Department of Biotechnology and Microbiology, Dr. Janaki Ammal Campus, Thalassery, Kannur was the Chief Guest for the special edition of COB conducted on 25th October 2022. During her interaction with students, Dr. Anu expounded her understanding of the job market of Biotechnology at great length.



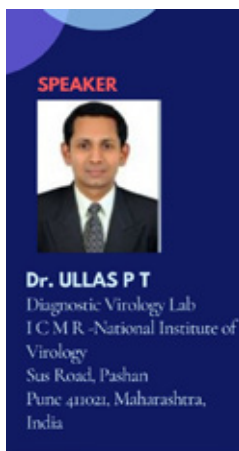
*Dr.Sanil Sansar, Medical Science Liaison, General Medicines, New Jersey, USA delivering a lecture in COB special edition on 15th July 2022*



*Dr.Jesna J Mohan, Head and Lab Director, Clinical Genomics Lab, BioReserve Biotechnologies Ltd, Repro Cell Company, Hyderabad delivering a lecture in Career Opportunities in Biotechnology special edition on 18th January 2021*



*Dr. Anu K, Chief Minister's Nava Kerala, Post-Doctoral Fellow, Department of Biotechnology and Microbiology, Dr. Janaki Ammal Campus, Kannur delivering a speech in Career Opportunities in Biotechnology (COB) special edition on 25th October 2022*



## NATIONAL WEBINAR ON MOLECULAR DIAGNOSIS OF COVID-19

A national webinar on the topic “Molecular Diagnosis of Covid 19” was organized by the Department on 20th December 2020. A veteran in the field of molecular diagnostics, Dr. Ullas PT, Scientist ‘B’, Diagnostic Virology Group, ICMR-National Institute of Virology, Pune, was the speaker. The audience was enlightened regarding the various aspects of diagnosis of the infectious SARS-CoV-2 virus, which was wreaking havoc throughout the world at the time. The interactive session saw many queries which showed how engaged the audience was.

## ALUMNI MEET

An online alumni meet was held on 13th June 2021 via Google meet. The online platform created an opportunity for interaction between alumni in different corners of the world. The meeting was a pleasant experience for all those who participated.

## ART COMPETITION IN ASSOCIATION WITH CANCER DAY

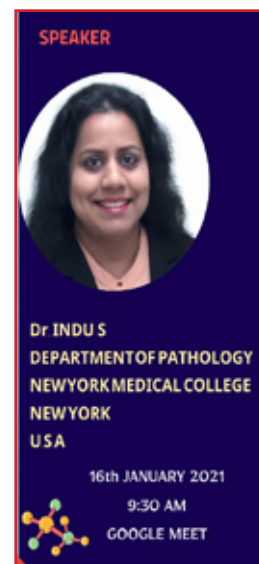
In association with “World Cancer Day”, Department of Biotechnology, organized a poster making competition on 4th February 2021. The 1st, 2nd and 3rd place was secured respectively by Devika P.P, 1st year B.Sc Biotechnology, Rafna A, 1st year B.Sc Computer Science and K.M. Manasa, 1st year B.Sc Biochemistry.



*Poster competition held as part of World Cancer Day 2021*

## INTERNATIONAL WEBINAR

On 13th January 2021, an International Webinar was organized by the Department. Scientist Dr. Indu S, Department of Pathology, New York Medical College, USA gave a presentation on the topic “Hypertension: A Lifestyle Disease and Beyond”. Students gained a detailed understanding on lifestyle diseases in general and hypertension in particular.



## WORLD ENVIRONMENT DAY COMPETITION

The Department conducted a poster making competition in association with World Environment Day-5th June 2021. The theme was Ecosystem Restoration: Reimagine, Recreate and Restore. 1st, 2nd and 3rd place was bagged by Devika P.P, 1st year Biotechnology, Mehbooba Mali, 1st year B.Sc Biotechnology and Muhammed Khalid, 1st year B.Sc Computer Science respectively.



*Dr. Khaleel K.M., Principal releasing the prospectus of Department of Biotechnology (2021-22)*



## INAUGURATION OF THE BIOTECHNOLOGY CLUB

The Biotechnology Club- Bio-vancia was officially inaugurated on 11th October 2021 by Dr. Khaleel KM, a renowned scientist and Principal of Sir Syed Institute. On the occasion, Ph.D awardees and University Rank holders of the Department were honoured.



*Dr. Khaleel K.M., Principal, giving memento to Mrs. Jaseera K.V., Research scholar, CMFRI, Cochin*

## INCENDO 2021-INTERNATIONAL WEBINAR SERIES

Department of Biotechnology in association with IQAC conducted an International webinar on the topic “Cancer Signaling and Targets” on 15th November 2021. The speaker was Dr. Hamsa T.P., Scientist, Department of Cancer Biology, Sidney Kimmel Cancer Centre, Thomas Jefferson University, Philadelphia, Pennsylvania, USA. Cancer is a leading cause of death worldwide and the talk made the students aware of the latest research going on in the field of cancer study.

## SEMINAR ON QUALIFYING CSIR LIFESCIENCE EXAMINATION

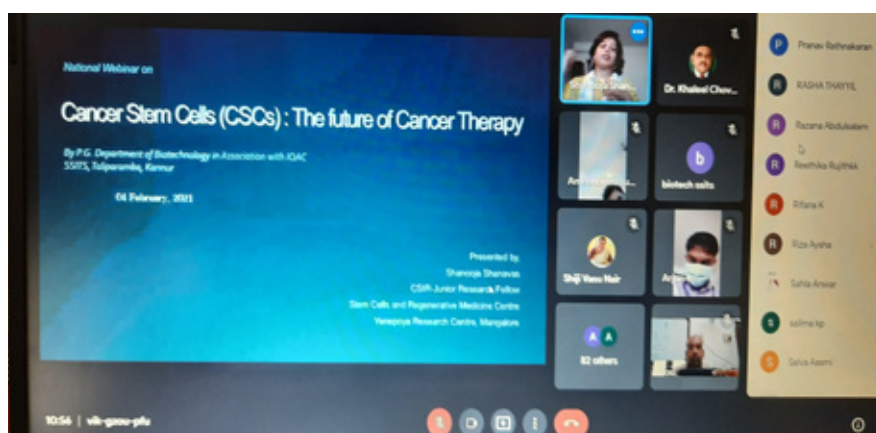
Qualifying CSIR Examination is the immediate goal of the majority of Life Science students. To make this goal easier for our students, on 14th December 2021, a talk on “How to Crack CSIR Lifescience Exam” by Resource Person Mr. Shajee Janardhanan, CSIR Exam Trainer was conducted. The session was very effective and students were given many strategies that they could employ in qualifying the exam with ease.



*Mr. Shajee Janardhanan, CSIR trainer delivering a speech in CSIR orientation programme organized for CSIR JRF and NET aspirants*

## NATIONAL WEBINAR

4th February, World Cancer Day is a global initiative to raise awareness and encourage prevention, detection and treatment of the deadly disease Cancer. A national webinar on “Cancer Stem Cells: The Future of Cancer therapy” was presented on 4th February 2022 by Mrs. Shanooja Shanavas, CSIR-JRF, Stem Cells and Regenerative Medicine Centre, Mangalore. She gave an informative talk on the use of cancer stem cells in treating cancer and how this is expected to bring a positive change in the field of cancer therapy.



*Mrs. Shanooja Shanavas, CSIR-JRF, Stem Cells and Regenerative Medicine Centre, Mangalore inaugurating National Webinar on Cancer Stem Cells.*



## COMPETITIONS IN ASSOCIATION WITH CANCER DAY

In association with "World Cancer Day" on 4th February 2022, the Biotechnology Club-Biovancia organized a poster making competition with the theme-"Cancer-Stronger Together". The 1st and 2nd place was secured respectively by Mohammed Khalid, IIInd year B.Sc Computer Science and Aavani Ashokan, IIIInd year B.Sc Biotechnology. A video making competition "Cancer Talks" was also conducted and Manjusree P.P., IIInd year BSc Biotechnology emerged as the winner. Nahan Nashudheen, IIInd year B.Sc Biochemistry bagged the 2nd prize.

## NATIONAL SCIENCE DAY CELEBRATION

The Department celebrated National Science Day on 28th February 2022 by organizing a Biotechnology exhibition-Biotech Expo 2022. The Expo was inaugurated by Dr. Neema V.P., Professor and Head, Pepper Research Station, Panniyoor. The programme was presided over by Principal Dr. Khaleel K.M.. On the occasion, Dr. Neema was honoured with a memento and a 'ponnada'.

Biovancia, in association with National Science Day, on 28th February 2022, conducted Eco-minimalist and Eco-Reels competition. The 1st prize winners of Eco Minimalist competition was Shahma Riyas and Rahila, IIInd year B.Sc Psychology students. 2nd prize was secured by Sreelakshmi, Ist year B.Sc Biochemistry. The 1st prize winners of Eco-Reels competition was Manjusree P.P. and Fathimathul Husna Zakariya, IIInd year B.Sc Biotechnology students. 2nd prize was bagged by Muneeba C.K., IIInd year B.Sc Biochemistry. The Department also organised Biotech Expo 2022 featuring the new and innovative trends in Biotechnology. Dr. Neema V.P, Professor & Head, Pepper Research Station, Panniyoor inaugurated the exhibition.



*Dr. Neema V.P., Professor and Head, Pepper Research station, Panniyoor inaugurating the National Science Day 2022 and Biotech Expo 2022*



*Biotech Expo 2022*





*World Environment Day programme inaugurated by Dr. Khaleel K.M. Principal by planting medicinal plants in the campus*



## ENVIRONMENTAL DAY CELEBRATION

On, 9th June 2022, in connection with World Environment Day, Biovancia-the Biotechnology Club organized a programme "Each One Plant One", wherein the students and faculties of the Department potted plants in the green house maintained by the Department. The programme was inaugurated by Dr. Khaleel K.M, Principal, Sir Syed Institute.

## BIOTECHNOLOGY ASSOCIATION INAUGURATION-BIOTECH DAY 2022

Biotechnology Association was inaugurated on 23rd March 2022 by Mr. V.H Nishad, Writer and Head of Department of Journalism, Sir Syed College, Taliparamba. On the occasion, Dr.Jathina M, Assistant Professor, Department of Botany, Payyannur College and Dr. Gayathri PV, Teacher, IMNSGHSS, Mayyil were honoured. Both of them had done part time research at Biotechnology Department for the completion of their doctoral research.



*Mr. V.H. Nishad, Writer and Head of Department of Journalism, Sir Syed College, Taliparamba inaugurating the Biotechnology Association 2022*

## RELEASE OF DEPARTMENT MAGAZINE & HONOURING UNIVERSITY RANK HOLDERS

19th July 2022 was an eventful day for Biotechnology Department as the Department officially released its first magazine "Insight" and honoured Kannur University UG and PG rank holders 2022. Dr. Yamini Varma C.K., Professor & Head, Pepper Research Station, Panniyoor was the chief guest for the day. In her keynote address she stressed on the importance of scientific contributions for the welfare of the society and motivated the students to do the same. Our students who passed the University examination with flying colours were honoured on the occasion. Shahzadi Nasar, B.Sc 1st rank holder, Laya C.P., B.Sc 3rd rank holder and Manjusha V, M.Sc 3rd rank holder were presented with memento. Karthika Suresh (M.Sc BT 2020-22 batch) and Keerthana Raghuthaman (B.Sc BT 2017-20 batch) were honoured for securing BIRAC fellowship of INR 1 lakh offered by Department of Biotechnology, Government of India for the year 2022.



*Dr. Yamini Varma C.K, Professor & Head, Pepper Research Station, Panniyoor inaugurating the honouring ceremony for rank holders and BIRAC fellowship holders*



# BIOTECH PRIMA

**B**iotech prima is an initiative by the Department to conduct Biotechnology workshops for Higher secondary students of Schools in Kannur district and thus disseminate practical knowledge on Biotechnology. The workshop is conceived as a student extension activity. Biotech prima was inaugurated on 1st August 2022, at Sir Syed higher secondary School, Taliparamba by Dr. Khaleel K.M., Principal, Sir Syed Institute. A one-day workshop on techniques like DNA isolation and Agarose Gel Electrophoresis was conducted at the school.

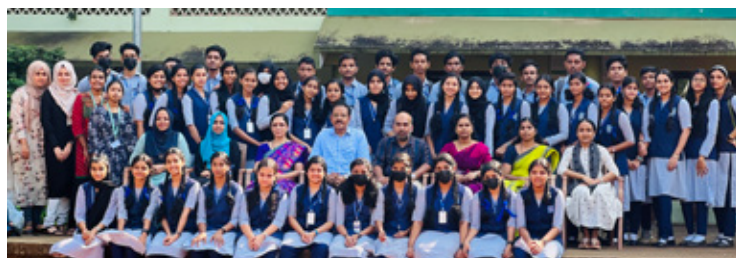
On 14th November 2022, the 2nd workshop of Biotech Prima was organized for Higher Secondary students of Tagore Vidyani- ketan, Taliparamba. The program was inaugurated by Mrs. Nayana Narayanan, Assistant Professor, Department of Biotechnology, Chinmaya Arts and Science College, Kannur. She gave an enlightening presentation on the topic “Biotechnology and Its Significance”. After the inaugural session, students were given demonstration on DNA isolation, Agarose Gel Electrophoresis and Plant Tissue Culture.

The 3rd workshop was held on 17th November 2022 for Higher Secondary students of Government Higher Secondary School, Kottila. The Chief Guest was Dr. Meera S.P., Research Scholar, Inter University Centre for Biosciences, Kannur University. She gave a talk on “Basic Techniques in Molecular Biology” which gave the students a good understanding on the practical aspects of Biotechnol- ogy. Following the inauguration, the laboratory techniques were demonstrated to the students.

On 15th December 2022, the 4th workshop was conducted for Higher Secondary students of Sree Sankara Vidya Peetam Senior Secondary School, Mattannur. Dr. Khaleel K.M., Principal, Sir Syed Institute, inaugurated the program.



*Dr. Khaleel K.M, Principal, Sir Syed Institute inaugurating the Biotechnology Workshop for Higher Secondary Students, Biotech Prima at Sir Syed Higher Secondary School*



*Students of Sree Sankara Vidya Peetam Senior Secondary School, Mattannur with Principal, Head of Department and Faculty*



*Mrs. Nayana Narayanan, Assistant Professor, Department of Biotechnology, Chinmaya Arts and Science College for Women, Kannur inaugurating the Biotechnology Workshop, Biotech Prima 2*



*Students of Tagore Vidyani- ketan with Principal, Head of Department and Faculty*



*Students of Government Higher Secondary School, Kottila with Principal, Head of Department and Faculty*



*Dr. Meera S.P, Department of Plant Sciences, Central University of Kerala, Kasaragod inaugurating the Bio- technology Workshop, Biotech Prima 3*

## ALUMNI MEET

An alumnus meet-Oruma was held on 24th July 2022 at the campus. The alumni members reminisced their student life at the campus and also shared their journey after stepping out of the Institution. A new Alumni Executive Committee was constituted.



*Dr. Siraj M.V.P, Head, Department of Biotechnology, inaugurating the Alumni meet Oruma 2022*

## INAUGURATION OF ADD-ON COURSE

To enhance the job opportunities of students, the Department newly introduced two add-on courses Hazard Analysis and Critical Control Point (HACCP) and Food Safety Management Systems (FSMS). The courses were inaugurated on 29th July 2022, by Dr. Siraj M.V.P., Head, Department of Biotechnology, Sir Syed Institute.

## INAUGURATION OF GEL DOC SYSTEM

Bio-Rad Gel Documentation System, the latest addition to the highly sophisticated laboratory of Biotechnology Department, was inaugurated on 17th August 2022 by Dr. Sabu Abdul Hameed, Honourable Pro- Vice Chancellor, Kannur University.



*Dr. Sabu Abdulhameed inaugurating the Gel Documentation System installed at P.G laboratory of Department of Biotechnology.*

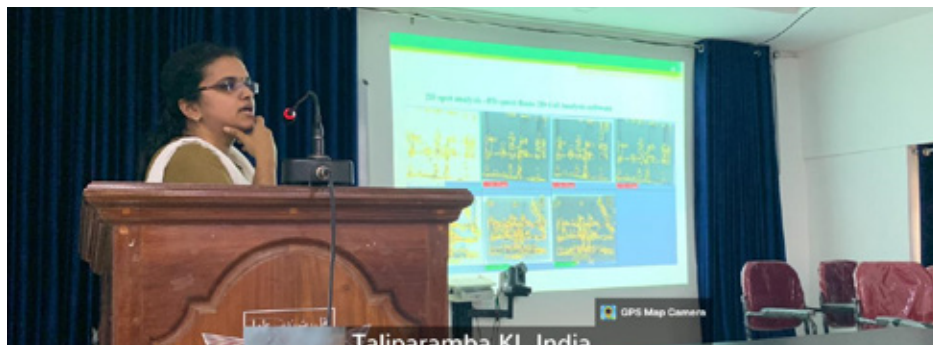
## BIOTECHNOLOGY LECTURE SERIES-BLS 2022

Biotechnology Lecture Series- BLS 2022, is a program organized by the Department in association with the Biotechnology Alumni Association of the college. The program included a series of lectures by few of the prominent alumni of the Department. The series was inaugurated by Dr. Anusha Sreeshan, Assistant Professor, Dept of Biotechnology, Chinmaya Arts and Science College, Kannur on 31st October 2022. She gave a presentation on her research topic "Salt Tolerance Mechanisms in *Rhizophora mucronata*".

The 2nd Lecture of BLS 2022, was held on 8th November 2022 and the speaker was Dr. Sony Jayaraman, Young Professional, Sugarcane Breeding Institute, Kannur. The topic of her presentation was "Immunomodulatory Biomolecules from Medicinal Plants".

The 3rd and 4th lectures were conducted on 26th December 2022 and were respectively handled by Dr. Santhi Raveendran, Research Specialist, Omics Core, Sidra Medicine, Doha, Qatar and Ms. Sumitha Soman, Senior Research Associate, Syngene International Limited, Biocon, Bangalore. Dr. Santhi presented her research topic "Cloning and Characterization of miRNAs from *Curcuma longa*" and Ms. Sumitha gave a talk on "Cancer Immunotherapy: Adoptive Cell Therapy for Cancer Treatment".

The 1st Lecture of BLS 2023 was delivered on 12th January 2023 by Dr. Jaseera K V, Research Associate, Research and Development Division, Trophic Biosystems, Cochin. She presented the topic "Isolation, Characterization and Bioprospecting of *Aurantichytrium* sp."



*Dr. Anusha Sreeshan, Assistant Professor, Dept. of Biotechnology, Chinmaya Arts and Science College, Kannur inaugurating the Biotechnology Lecture Series- BLS 22*



*Dr. Sony Jayaraman, Young Professional, Sugarcane Breeding Institute, Kannur delivering a lecture on Biotechnology Lecture Series- BLS 2*



## CERTIFICATION COURSE ON ADVANCED BIOTECHNOLOGY

Department of Biotechnology organized a 5-day Certification course on Advanced Biotechnology- CCABT 2022, from 6th December- 10th December 2022 to provide hands-on training to Life Science graduate students on Molecular Biology and Plant Tissue Culture techniques. Students expressed their satisfaction and gratitude in participating in the course and urged the Department to conduct similar courses in the coming years. The positive feedback proved the Department's endeavor worthwhile.



*Dr. Siraj M.V.P, Head, Department of Biotechnology releasing the Lab Manual of Certification Course in Advanced Biotechnology (CCABT 22)*



*Delegates of CCABT with Dr. Siraj M.V.P. and Dr. Aparna P.S., resource persons, CCABT 22*



*Mrs. Shabina K.P, Assistant Professor; Dept. of Biotechnology and Resource Person, CCABT 22 receiving the memento from the Head of the Department*



*Mrs. Thasneem Abdulla, Assistant Professor, Dept. of Biotechnology and Resource Person, CCABT 22 receiving the memento from the Head of the Department*

## WORKSHOP ON PLANT TISSUE CULTURE

As part of Higher Secondary Teacher Transformation Programme, the Department conducted a Plant Tissue Culture workshop for Higher Secondary Biology Teachers on 16th December 2022. The workshop was inaugurated by Dr. Khaleel K.M, Principal, Sir Syed Institute and was handled by our faculty members Mrs. Shabina K.P., Dr. Aparna P.S. and Mrs. Thasneem Abdulla. The teachers conveyed their satisfaction through their valuable feedback.



*Dr. Khaleel K.M, Principal inaugurating the Higher Secondary School Teachers Transformation Programme, HSSSTP 22*

## BIOTECHNOLOGY ASSOCIATION INAUGURATION-BIOTECH DAY 2023

**B** iotechnology Association was inaugurated on 13th January 2023 by Mr. Ramesh C.K.V., Assistant Professor, Department of Microbiology, Sree Narayana College, Kannur. Principal, Dr. Khaleel K.M., presided over the function. On the occasion, alumni Ms. Anjana Vijayan, UGC/CSIR JRF Holder 2022, alumni Mr. Sarakh Krishnan, Assistant Director, Malayalam movie "State Bus" and Mr. Anas K, Social Worker and Office Attendant, SSITS were honoured. Mr. Ramesh C.K.V., delivered a talk on "Antibiotic Resistance Mechanisms".

The cultural events session, which was held in the afternoon was inaugurated by Mr. Baktavar Siraj, Playback Singer and Kalaprathiba, Kannur University Kalolsavam 2022. Mr. Razu Sidheeque, Playback Singer, Khafila Kala Sangam and Liaison Officer, CDMEA Office was the Chief guest. After the inaugural session, both the guests set the stage on fire with their soulful singing and a festive mood was created. The students also exhibited their talents on stage.



*Mr. Ramesh C.K.V, Assistant Professor, Department of Microbiology, Sree Narayana College, Kannur inaugurating the Biotechnology Association, Biotech Day 2022*

## HAIR DONATION CAMP

**O** n 3rd February 2023, Biovancia- the Biotechnology Club collaborated with Be Positive Blood Donation Group to organize a Hair Donation Camp at the Institute to do our bit to support cancer patients suffering from hair loss. The program was inaugurated by Dr. Khaleel K M, Principal, Sir Syed Institute. Around 20 students from Sir Syed Higher Secondary School, 15 students from SSITS and 4 students from Sir Syed College donated their hair and became a part of this noble cause. The program was conceived as a Best Practice of the Department.



*Dr. Khaleel K.M, Principal delivering the inaugural speech in Hair Donation Camp organized as part of World Cancer Day on February 2022*



*Hair Donation Camp held on 4th February 2022*



## NATIONAL SCIENCE DAY CELEBRATION

On 28th February 2023, a Public lecture was organized by the Department to celebrate National Science Day 2023. The lecture on Science at the Atomic-scale: Molecular Dynamic Simulation For Rational Drug Designing was delivered by distinguished speaker Dr. Aneesh Chandran N.A., Assistant professor, Department of Biotechnology and Microbiology, Kannur University, Dr. Janaki Ammal Campus, Palayad, Thalassery. A DNA model making competition was arranged for students as part of National Science Day Celebration. The DNA model made by Ms. Manjusree P.P., IIIrd year B.Sc Biotechnology won Watson-Crick award for best DNA model.



*Dr. Aneesh Chandran NA, Assistant professor, Department of Biotechnology and Microbiology, Kannur University, Dr. Janaki Ammal Campus, Palayad inaugurating the National Science Day Celebration 2023*

## INAUGURATION OF BIOSCHOLAR'S ACADEMY

The joint venture of Department of Biotechnology and Beta Biosciences, CSIR JRF/NET Life Science Coaching Academy (Bioscholar's Academy) was officially inaugurated by the Principal Dr. Khaleel on 10th March 2023 to support aspiring researchers in their preparation for the CSIR National Eligibility Test (NET) and Junior Research Fellowship (JRF) exams. The academy aims to provide high-quality coaching and resources to enhance students' success in these competitive assessments. The event commenced with a welcome address by Dr. Siraj M.V.P, Co-ordinator, Bioscholar's Academy, highlighting the academy's mission to empower students in their academic and research careers in life sciences. Mr. Shajee Janardhanan, Director, Beta Biosciences delivered inspiring talks on the significance of the CSIR exams and the opportunities available in research and academia.



*Dr. Khaleel K.M, Principal, Sir Syed Institute inaugurating the Bioscholar's Academy for CSIR-UGC, JRF and NET aspirants*

## SEMINAR ON INTELLECTUAL PROPERTY RIGHTS

A seminar on Intellectual Property Rights was organized by Department of Biotechnology on 28th March 2023. Mrs. Jasmina V.M, Assistant Professor, Department of Physiology, Jamia Hamdard, Kannur Campus was the Chief Guest of the seminar who emphasized the importance of IPR in fostering innovation and protecting creative works. The seminar successfully provided valuable insights into the significance of intellectual property rights in today's economy and fostered a collaborative atmosphere for future discussions.



*Mrs. Jasmina V.M delivering a talk on Intellectual Property Rights organized by Department of Biotechnology and IQAC*



## RNA TALKSHOP

To celebrate World RNA Day, on 1st August 2023, a competition was arranged for the students of the Department, where they had to give a 5 minute talk on RNA. The competition was judged by faculties Mrs. Shabina K.P and Mrs. Vidya Valsarajan. Ms. Jomol Joy, II year B.Sc Biotechnology and Aysha Fidha Zahir, III year B.Sc Biotechnology secured the 1st and 2nd positions respectively.

## INTERNATIONAL SEMINAR

An International Seminar was organized by the Department on 25th August 2023. Speaker, Dr Hamsa Thayeale Purayil, Scientist, Syneos Health, USA, presented the topic CAR-T Cell Therapy: Potentials and Challenges. The presentation enlightened the audience about the recent advancements in cancer therapy and how CAR-T cell therapy can significantly contribute to the field of cancer treatment.

## FLARE 23- MEGAEXHIBITION

Flare 23, the Arts, Cultural, Commercial, Scientific Exhibition is a mega exhibition proudly hosted by Sir Syed Institute for Technical Studies. Flare-23 began with grandeur and magnificence on 7th September 2023. The first day of the Exhibition was graced by Sri. Ahamed Devarkovil, Honourable Minister of Port, Museums, Archaeology and Archives, who inaugurated the event. In his inaugural address, he stated that advancements in science and technology have greatly contributed in the development of our nation and emphasized on the significant role of colleges in contributing to scientific progress.

Department of Biotechnology presented a timeline display of Origin of the Universe up to Recent Advances in Biotechnology. The major displays included the 3D model of Big Bang, Solar System, a 6-foot model of the double helical DNA, large-scale models of Plant and Animal Cell, Transgenic animals and plants, stages of Cancer progression and Gene editing. A complete section was devoted to Corona virus and Covid disease- A 3D model of the Corona virus, RT-PCR based detection method, vaccines and the mode of prevention was displayed. The DNA Finger printing technique and its application in forensic science was exhibited and a game to identify the culprit using the displayed DNA fingerprint pattern was also included.

A full room was devoted to the ideal Biotech community model which showcased different Biotechnological innovations like Glowing plants, Liquid tree, Bioleaching, Biofuels, Biopharming and lot more. Method for growing plantlets from very small explants- tissue culture and its stages were displayed. A counter for sale of tissue culture plantain palm and fermented foods like pickles and yoghurt was also included. Apart from the models, numerous charts outlining basic and modern scientific techniques like Vaccine development, Monoclonal Antibody development, Recombinant DNA technique and Cloning was also displayed. The recent advancement in cancer therapy- CAR T-cell therapy was presented as well.

Method for DNA isolation from banana using household materials and laboratory techniques for DNA isolation from leaves were demonstrated along with the introduction to modern laboratory equipment including Electrophoretic and Blotting apparatus, Double beam U.V Spectrophotometer, ELISA plate reader, PCR machine, Vacuum manifold DNA/RNA purification system, Sonicator, Electronic gel electrophoresis system and Gel documentation system.



*Biotechnology pavillion exhibited on Flare 23- the Arts, Cultural, Commercial and Scientific exhibition of Sir Syed Institute*

## FELICITATION CEREMONY

The Department organized a Felicitation ceremony, on 14th September 2023, to acknowledge and honour students for their outstanding performance in curricular and extra curricular activities. The function was presided by Dr. Khaleel K.M., Principal and inaugurated by Adv. P. Mahamood, President, C.D.M.E.A. Janab Mahamood Allamkulam, General Secretary, C.D.M.E.A, delivered the Keynote Address. On the occasion, Kannur University Rank holders 2023, Ms. Fathimath Husna Zakariya (B.Sc. Biotechnology IInd rank); Ms. Aniketha Sudheer (B.Sc. Biotechnology IIIrd rank); Ms. Archana Suresh (M.Sc. Biotechnology IInd rank) and Ms. Arya P.V (M.Sc. Biotechnology IIIrd rank) were presented with memento. Kannur University Kalolsavam 2023 achievers, Ms. Bhavika M (IInd prize with A grade- Hindi Prabandharachana) and Ms. Afiya Sana (IInd prize with B grade- Kannada Kurunkatha) were also honoured. Class toppers, Ms. Jomol Joy (IInd B.Sc. Biotechnology); Ms. Sreelakshmi (IIIrd B.Sc. Biotechnology) and Ms. Sandra K (IInd M.Sc. Biotechnology) were awarded mementos. Mr. Nazeem M.P, was given a special acknowledgement on the occasion for his contribution in creating the College Profile Video.



Adv. P Mahamood, President, C.D.M.E.A inaugurating the Felicitation Ceremony for Rank holders, Class toppers and Winners of University Kalolsavam



Janab. Mahamood Allamkulam presenting the memento to Ms. Bhavika M, II Prize winner of Hindi Prabandha Rajana in Kannur University Kalolsavam 2023





## BREAST CANCER AWARENESS CAMPAIGN

October is observed as Breast Cancer Awareness month worldwide as an annual campaign to raise awareness of this complex disease. Breast cancer being a very common disease among Indian women, Biovancia, the Biotechnology Club, declared solidarity to this campaign by organizing a handful of programs and activities to support the cause. On 19th October 2023, a Breast Cancer Awareness Programme was organized. Dr. Khaleel K.M, Principal presided over the event. Dr. Krishnanadha Pai, Founder and President, Malabar Cancer Care Society, Kannur inaugurated the ceremony. In his inaugural address he emphasized on the early diagnosis of the condition to enhance survival chance of the affected. Adv. P Mahamood, President, C.D.M.E.A delivered the Keynote address. Dr. Harsha Gangadharan, Medical Officer, Malabar Cancer Care Society gave an educational session on causes, signs and symptoms of the disease and methods for early detection. She urged each member of the audience to pass the beneficial knowledge they gained to maximum people possible. Mrs. Shabina K.P, Co ordinator, Biovancia, delivered the vote of thanks.

The students of the Department visited nearby houses and circulated pamphlets describing the signs and symptoms of breast cancer and how self testing can be done easily at the comforts of one's home. The pamphlets were also distributed to each Department of the Institute.

30th October 2023 was observed as "Pink Day". The faculty and students wore pink and participated in poster presentation raising awareness on Breast Cancer. Pink ribbons were distributed to all the teaching and non-teaching staff of the Institute.



*Adv. P. Mahamood, President, C.D.M.E.A presenting the memento to Dr. Krishnanatha Pai, Founder and President, Malabar Cancer Care Society, Kannur*



*Dr. Harsha Gangadharan, Medical officer, Malabar Cancer Care Society, delivering an awareness class on Breast Cancer as part of Breast Cancer Awareness month (Pink month)*



*Students of Biotechnology department with Head of the Department and Faculty observing Pink Day*



## NATIONAL SEMINAR- RAB 23

With the objective of inculcating a spirit of scientific enquiry and analytical thinking in the minds of young students, a National Seminar on Recent Advancements in Biotechnology-RAB 23 was organized on 2nd November 2023. The seminar was inaugurated by the Chief Guest, Dr. Chandran K, Principal Scientist, ICAR-Sugarcane Breeding Research Institute, Kannur. Dr. Divya Lakshmanan, Assistant Professor, Division of Cancer Research and Therapeutics, Yenapoya Research Centre, Mangalore, Karnataka was the Guest of Honour on the occasion. She addressed the audience on the topic “Adverse effects of plasticizers on human health and immunity”. Her presentation gave the audience a clear idea about the harsh realities of plastic overuse in our day to day life. The seminar had three sessions. Session I included an enlightening presentation on the topic “ Understanding of cancer genetics lead to paradigm shift in the cancer management” by Dr. Deepak Roshan, Associate Professor, Division of Genetics, Malabar Cancer Centre, Thalassery, Kerala. He provided an insight to the latest cancer therapy strategies being employed globally. In Session II of the seminar, Dr. Shabeesh Balan, Scientist D, Department of Health Research, Neuroscience Research laboratory, IMHANS, Calicut, Kerala presented the topic “ Elucidating the molecular pathogenesis of neuropsychiatric disorders: a genetic perspective”. The final session of the seminar was headed by Dr.Meera S.P, Department of Plant Science, School of Biological Sciences, Central University of Kerala. Her presentation was on the topic “Bioprospecting of mangrove genes in crop improvement for salinity tolerance”.



*Dr. Khaleel K.M, Principal, Sir Syed Institute releasing the logo of the National Seminar on Recent Advances in Biotechnology (RAB 23)*



*Dr. Chandran K, Principal Scientist, ICAR-Sugarcane Breeding Research Centre, Kannur delivering the inaugural speech in RAB 23- National Seminar on Recent Advances in Biotechnology*



*Dr. Deepak Roshan, Associate Professor, Division of Genetics, Malabar Cancer Centre, Kannur delivering the lecture in RAB 23- National Seminar on Recent Advances in Biotechnology*



*Dr. Divya Lakshmanan, Assistant Professor, Division of Cancer Research and Therapeutics, Yenapoya Research Centre, Mangalore delivering the Keynote address in RAB 23- National Seminar on Recent Advances in Biotechnology*



*Dr. Meera S.P, Department of Plant Science, School of Biological Sciences, Central University of Kerala, Kasaragod delivering the lecture in RAB 23- National Seminar on Recent Advances in Biotechnology*



*Dr. Shabeesh Balan, Scientist, Department of Health Research, Neuroscience Research laboratory, IMHANS, Calicut delivering the lecture in RAB 23- National Seminar on Recent Advances in Biotechnology*



## CERTIFICATION COURSE ON ADVANCED BIOTECHNOLOGY

Department of Biotechnology organized a 5-day Certification course on Advanced Biotechnology, from 5th December- 9th December 2023 to provide hands-on training to Life Science Graduate students on Molecular Biology and Plant Tissue Culture techniques. 24 students from Department of Microbiology, Sree Narayana college, Kannur enrolled for the course. The practical sessions were conducted by Dr. Siraj M.V.P and Mrs. Shabina K.P.



*Dr. Siraj M.V.P, Head Department of Biotechnology handling a technical session on Certification Course on Advanced Biotechnology organized by Department of Biotechnology*



*Certificate distribution on closing ceremony of CCABT 23, organized by Department of Biotechnology*



## SEMINAR ON RESEARCH METHODOLOGY

A seminar on Research Methodology was jointly organized by Department of Biotechnology, Microbiology and Biochemistry in association with IQAC on 15th November 2023. Dr. Sony Jayaraman, Assistant Professor, Department of Biotechnology, Sir Syed Institute was the Resource Person.



*Dr. Sony Jayaraman delivering a talk on Research Methodology organized by Department of Biotechnology and Internal Quality Assurance Cell*

## STUDENT ORIENTATION PROGRAMME

An Orientation Programme for 1 year B.Sc. Biotechnology and 1 year M.Sc. Biotechnology students were conducted on 15th November 2023. The class was handled by Mrs. Sindhu P.K, Assistant Professor, Department of Biotechnology, Gurudev Arts and Science College, Mathil. The session helped the students acquire guidance in pursuing the course of study they chose.



*Dr. Khaleel K.M, Principal, Sir Syed Institute presenting the memento to Mrs. Sindhu P.K, Chief Guest, Student Orientation Programme 2023*



## VECTOR-BIOTECHNOLOGY WORKSHOP FOR HIGHER SECONDARY STUDENTS

As an extension activity, a Biotechnology workshop was conducted on 21st November 2023, for Higher Secondary students of A.K.S Govt. Higher Secondary School, Malappattam. During the workshop, the students were given demonstrations on DNA Isolation, Agarose Gel Electrophoresis and Plant Tissue Culture protocols, by the faculties Dr. Siraj M.V.P and Mrs. Shabina K.P, assisted by the PG students of the Department. The participants were given an opportunity to familiarize with the lab equipments used for Biotechnology experiments.



*Dr. Siraj M.V.P, Head, Department of Biotechnology handling a technical session in Vector 2023- Biotechnology Workshop for Higher Secondary Students*



*Students of Biotechnology workshop, Vector 23 with Head of the Department Dr. Siraj M.V.P and Faculty*

## BIOTECHNOLOGY ASSOCIATION INAUGURATION-PRIMER ~23

On December 11, 2023, Mr. Khaleel K.M., Principal, Sir Syed Institute for Technical Studies, Taliparamba, officially inaugurated the Biotechnology Association. Students performed cultural acts after the inauguration.



*Dr. Khaleel K.M, Principal, Sir Syed Institute inaugurating the Biotechnology Association, Primer 23*



*Dr. Siraj M.V.P giving memento to Dr. Khaleel K.M, Principal, Sir Syed Institute and Chief guest of the programme Primer 23*

## WORKSHOP ON MUSHROOM CULTIVATION

As an Entrepreneurship Development Programme, a workshop on Mushroom Cultivation was organized by the Department in association with Department of Food technology, ED club and IQAC, on 11th December 2023. The workshop was conducted by Mr. Ramesh C.K.V, Assistant Professor, Department of Microbiology, Sree Narayana College, Kannur.



*Mr. Ramesh C.K.V Assistant Professor, Department of Microbiology, Sree Narayana College, Kannur, delivering a speech on Mushroom Cultivation*



## CSIR ORIENTATION PROGRAMME

Department of Biotechnology, Microbiology and Biochemistry in collaboration with Beta Bioscience Bioscholars Academy organized a CSIR Orientation Programme for M.Sc. Biotechnology, M.Sc. Biochemistry and M.Sc. Microbiology students of the institute. Mr. Shajee Janardhanan, Director, Beta Bioscience gave them a comprehensive understanding on how to approach CSIR examination.



*Mr. Shajee Janardhanan, Director, Beta Biosciences delivering a lecture on CSIR orientation programme organized by Bioscholars Academy of Department of Biotechnology*

## CHROMARA- INTERCOLLEGIATE FEST

Internal Quality Assurance Cell and Student's Union of our Institute hosted a 2-day Intercollegiate fest CHROMARA on February 1st and 2nd, where all the departments of the Institution organized games and events for students from other colleges. Attractive prize money was offered. Students of our Department organized a Forensic Investigation- Daredevil as part of the fest. It was a team event and 15 teams with 3 members each participated. It was a thrilling and unique experience for the participants.

## HAIR DONATION CAMP

On 5th February 2024, Biovancia- the Biotechnology Club collaborated with Be Positive Blood Donation Group to organize a Hair Donation Camp at the Institute to do our bit to support cancer patients suffering from hair loss. The program was inaugurated by Dr. Khaleel K M, Principal, Sir Syed Institute. Around 16 students from Sir Syed Higher Secondary School and 6 students from SSITS donated their hair and became a part of this noble cause. The program was conceived as a Best Practice of the Department.



*Hair donation camp held on 4th February 2024 as part of World Cancer Day 2024*

## WORKSHOP ON MOLECULAR BIOTECHNOLOGY AND PLANT TISSUE CULTURE

As part of Higher Secondary Teacher Transformation Programme, the Department conducted a Molecular Biotechnology and Plant Tissue Culture workshop for Higher Secondary Biology Teachers on 21st February 2024. The workshop was inaugurated by Dr. Khaleel K.M, Principal, SSITS and was handled by our faculty members Dr. Siraj M V P and Mrs. Shabina K P. The teachers conveyed their satisfaction through their valuable feedback.



*Dr. Siraj M.V.P handling a technical session on Higher Secondary School Teachers Transformation Programme (HSSTTP 23)*





*Higer Secondary School Teachers with Faculty members of Department of Biotechnology, Higher Secondary School Teachers Transformation Programme (HSSTTP 23)*



*Institute visit : Indian Institute of Spices Research, Calicut on 14th November 2022*



*Institute visit :Dept. of Biotechnology and Microbiology, Dr. Janaki Ammal Campus, Kannur University, Palayad on 28th February 2024*

# Testimonials



**Swathi Pavithran**

Cincinnati Children's Hospital Medical Center,  
Ohio, USA

**H**ello,

I am Swathi Pavithran, currently pursuing my graduate studies at Cincinnati Children's Hospital Medical Center (CCHMC) in Ohio, USA. My academic journey began at Sir Syed Institute For Technical Studies, where I earned my Bachelor's degree in Biotechnology. It was during my time there that my passion for research truly blossomed. The institute provided me with invaluable hands-on experience in campus labs, allowing me to explore the practical aspects of biotechnology. This exposure sparked my curiosity and set the foundation for my current research endeavors. I owe much of my growth to the immersive and encouraging environment fostered by the faculty, who were instrumental in guiding me through my initial stages of learning.

In particular, I would like to extend my deepest gratitude to Dr. Siraj M.V.P., who has been a constant source of inspiration and support throughout my academic career. His mentorship and dedication to his students created an environment where we were encouraged to challenge ourselves and pursue our aspirations. Today, as I continue my academic journey in a highly regarded research center, I carry with me the lessons learned and the support received from Sir Syed Institute. The experience has been fundamental in shaping my career path, and I am proud to be an alumnus of such a nurturing institution. My heartfelt best wishes to Sir Syed Institute, its remarkable faculty, and the future students. May the institution continue to inspire, nurture, and lead many more to success.



# Testimonials



**Mrs. Munavira Mukkoth**

MRes  
Schhol of Applied Sciences  
University of the West of England  
Bristol, U.K.

I am Munavira Mukkoth, and I completed my M.Sc in Biotechnology from Sir Syed Institute during the 2020-2022 academic year. As an alumnus of the M.Sc Biotechnology program at Sir Syed Institute, I can confidently say that my time there was pivotal in shaping my educational and professional journey, even though I was a chemistry graduate. The comprehensive curriculum, hands-on lab experience, and expert faculty guidance laid a strong foundation for my current studies in MRes Applied Sciences at UWE Bristol, where I am now focusing on breast cancer research. The strongest support I got from the faculties especially Siraj sir, Thasneem ma'am, Shabna Ma'am, and Neema ma'am was highly appreciable to pursue my career in research. They cleared my every doubt related to both theoretically and practically. Especially Thasneem ma'am, she was so helpful while choosing the research topic for my MRes.

The exposure to cutting-edge biotechnological techniques and the institute's emphasis on research equipped me with the critical thinking and problem-solving skills required in my field. The supportive learning environment at Sir Syed Institute not only deepened my understanding of core Biotechnology concepts but also encouraged me to pursue my passion for cancer research. I am deeply grateful for the opportunities and mentorship I received, which continue to guide me as I contribute to advancing scientific research in breast cancer.

# Testimonials



**Mrs. Anjana Vijayan**

Research Scholar  
CSIR-CCMB  
Hyderabad.

**H**i  
Myself Anjana Vijayan currently I am a research scholar at CSIR-CCMB Hyderabad.

I am truly grateful for the invaluable support I received during my time at SSITS The faculty, especially the Head of Biotechnology department Dr. Siraj M.V.P. He played a crucial role in my academic and personal growth. The faculties dedication to student success and willingness to provide guidance made a significant difference in my experience. The encouragement and mentorship I received helped me overcome challenges and pursue my goals with confidence. I am proud to be an alumnus of Department of Biotechnology, Sir Syed Institute and will always cherish the knowledge and skills I gained, thanks to the exceptional faculty.

My experience at SSITS was pivotal in my academic journey, particularly during my transition from physical science to life science. I faced many challenges, but the support I received from the faculty, especially the Head of Department, was instrumental. He guided me in preparing for CSIR UGC NET EXAM which ultimately led to my research scholar position at a prestigious institute CCMB HYDERABAD. I am deeply thankful for his mentorship and encouragement, which helped me find my path and succeed. I will always be grateful for the nurturing environment at SSITS and the invaluable guidance I received.

I hope that SSITS continues to provide this level of support to more students, helping them achieve their goals and realize their potential. I will always cherish my time here and the invaluable guidance I received.

## Testimonials



### **BHAVIKA M**

I Rank Holder  
M.Sc Biotechnology  
Kannur University (2024)

**M**y time at the Biotechnology department of Sir Syed Institute for Technical Studies was a pivotal phase in my academic and personal development. Being both a B.Sc and M.Sc student here provided me with a strong foundation in both theoretical knowledge and practical skills. The department 's facilities and well- equipped labs gave me hands on experience in the latest techniques. The faculty members were not only knowledgeable but incredibly supportive always encouraging me to explore and innovate. Beyond the academics, the department nurtured extracurricular activities. From seminars and workshops to inter- college events, we were encouraged to participate in various activities. I am deeply grateful for the supportive environment, the friendships I formed and the opportunities I was given to expand my knowledge.



# Testimonials



## **SANDRA K**

III Rank Holder  
M.Sc Biotechnology  
Kannur University (2024)

I am Sandra K, recently completed my post-graduation in Biotechnology from Sir Syed Institute for Technical Studies, I am extremely grateful for the exceptional Biotechnology program offered by this institution. The best laboratory facilities and the helpful guidance of biotechnology department have truly enhanced my learning experience. Siraj sir's mentorship was invaluable in shaping my career and hands on experience in the best laboratory environment. I am happy and proud to become a part of this department and institution and best wishes for the aspiring students and for the faculties.

# Testimonials



## **Sreelakshmi B**

IIIrd Rank Holder  
B.Sc. Biotechnology (2024) &  
Ist year M.Sc Biotechnology student  
Department of Biotechnology  
Sir Syed Institute for Technical Studies

I am Sreelakshmi B, currently following my post graduate studies at Sir Syed Institute for Technical Studies at Taliparamba. I have done my bachelors degree in this institution so I am very happy to do my post-graduation here again. There is no other reason to study here again and again because of the teachers who guide me. Here I must mention Dr.Siraj M.V.P, my Head of Department, who inspired me the most. I was able to get this achievement because of all these people. I am still studying here with many dreams in mind and I think this institution will help me a lot to fulfil those dreams. I consider the Biotechnology course as the turning point of my life. I am thankful to this institution for giving me this opportunity to realize and develop my skills. Let this Institution be a milestone for the students who are currently studying here and the future students.



## B.Sc Rank Holders



Fathimath Husna Zakariya  
IIInd Rank, 2023



Sreelakshmi B  
IIIrd Rank, 2024



Aniketha Sudheer  
IIIrd Rank, 2023



Shahzadi Nasar  
Ist Rank, 2022



Laya C. P  
IIIrd Rank, 2022



Archana Suresh  
Ist Rank, 2021



Abhina K  
IIInd Rank, 2020

## M.Sc Rank Holders



Sandra K  
IIIrd Rank, 2024



Bhavika M  
Ist Rank, 2024



Archana Suresh  
IIInd Rank, 2023



Arya  
IIIrd Rank, 2023



Manjusha V  
IIIrd Rank, 2022



Madhurima  
IIInd Rank, 2020



Abida M  
IIIrd Rank, 2020

### *Ph. D Holders*



Dr. Anusha Sreeshan  
2021



Dr. Jaseera K.V.  
2021



Dr. Sony Jayaraman  
2021

### *CSIR - UGC JRF & NET Holders*



Anjana Vijayan  
2023



Abhina K  
2024



Ashna P  
2024

### *DBT-BIRAC Fellowship Holders*



Karthika Suresh  
2022



Keerthana Raghunath  
2022



## PHOTO GALLERY





# INN:VATE

EMPOWERING PROGRESS

