



Parvatibai Chowgule College of Arts and Science
Autonomous

Accredited by NAAC with Grade 'A' (CGPA Score 3.41 on a 4 Point Scale in 3rd cycle)
Best affiliated College-Goa University Silver Jubilee Year Award

DEPT. OF BIOTECHNOLOGY

DEPARTMENTAL ACTIVITIES

2019-2020

STUDY TRIP TO BANGALORE-MYSORE IN DECEMBER 2019

Ms.Vallanka Dias and Ms. Hashma Mujawar, along with Third year B.Sc. Biotechnology students visited Central Food Technological Research Institute (CFTRI), Mysore and Institute of Bioinformatics and Applied Biotechnology (IBAB) & Monsanto Research Centre, sustainable agriculture company at Bangalore from 19th to 22nd December 2019 to know about the higher education, current research and career prospects in the field of Biotechnology.

WOKSHOPS ORGANISED

- **Hands-on training workshop on Mushroom cultivation**

On 31st August 2019, a Hands-on training workshop on Mushroom cultivation was organized as part of the General Elective Course (GEC). The speaker was Ms. Gauri Prabhudessai, Zonal Agriculture Officer, Sanguem. The main objective was to make the students aware about the health and medicinal benefits of mushrooms, the global mushroom market, total cultivable and edible mushrooms and success stories of some mushroom cultivators in Goa and in India. Secondly, to indulge the students in mushroom cultivation activities by providing a hand-on training experience and act as a prerequisite for the potential mushroom market in Goa.

- **National Workshop on Scientoons on the theme 'Clean India'**

Organised two days 'National Workshop on Scientoonics' on the theme of 'Clean India' sponsored by Department of Science and Technology, Goa in our college on 12th and 13th February 2020. The resource persons were Dr.Pradeep K. Srivastava, Father of Scientoons and Scientoonics, Senior Principal Scientist in Medicinal and Process Chemistry Division, Former Deputy Director of Central Drug Research Institute, Lucknow and Mr. Vishal Muliya, Scientoonist and Visiting faculty in Govt. Physiotherapy College Jamnagar, Gujarat.

- **Entrepreneurial Opportunities in Fermentation Food Technology**

The Department of Biotechnology and Biochemistry organised the Directorate of Higher Education, Goa sponsored Short-term training course on the "Entrepreneurial Opportunities in Fermentation Food Technology" from 24th to 29th February 2020. Various resource persons were invited to deliver lecture and hands on training in their expertise such as; Art of fruit wine making, Chemistry of bread making, Production of fermented products from Cashew and Coconut, Yogurt v/s Curd, Probiotic product development, Food Safety Compliance, Entrepreneurial opportunities in food sector and Intellectual Property Rights.



Short term training course on Entrepreneurial Opportunities in Fermentation Food Technology



Department of Science & Technology, Goa sponsored Hands on National Workshop on Scientoons and Best Scientoons



Hands-on Mushroom cultivation workshop Third year B.Sc. Biotechnology students presenting poster at various National Seminars



Vanamahotsav celebration in college campus



Biochrome - Biotechnology Club activities



BIOCHROME CLUB ACTIVITIES

- Celebrated 'Van Mahotsav' on 15th August 2019 by planting 50 saplings of Gulmohar, Neem, Almond, Flame tree, Ornamentals and flowering plants sponsored by the Forest Department, Quepem Goa in the college campus with the theme 'Planting trees: A stride towards Green Goals'.
- 'Biotechnology crossword competition' was conducted on 10th August 2019 with a total number of 36 participant students from Biotechnology as well as Biochemistry department.
- 'Biotechnology Painting competition' was conducted on 5th October 2019 with the theme 'Innovations in Biotechnology'.
- 'Biotechnology Debate Competition' was conducted on 20th December 2019 on 'Test tube baby – Boon or Bane?'
- 'Eco-friendly cooking competition' was conducted on 11th January 2020 wherein interesting novel ideas of healthy dishes cooked without fuel were presented.
- The Sixth Biotechnology Alumni meet was organized on 1st February 2020.

2018-2019

FRESHERS PARTY

The S.Y & T.Y.BSc. Biotech students arranged a welcome party for the F.Y.B.Sc. Biotech students on 14th July 2018 with fun games and also gave them an opportunity to introduce themselves to know each other.

SCIENTOONS

The Department of Biotechnology conducted a National Workshop on Scientoons in college on 18th and 19th August 2018 which was sponsored by DST, Goa. This unique workshop was organized for the first time in Goa to inculcate the culture of environmental awareness and convey solutions through simple scientoons. The resource person for this workshop was Dr. Pradeep K. Srivastava, Father of Scientoons and Scientoonics, Senior Principal Scientist in Medicinal and Process Chemistry Division, Former Deputy Director of Central Drug Research Institute, Lucknow. In the final session of the workshop, a scientoon competition on the theme 'Clean and Green Goa' was held, which addressed problems along with solutions on postcards wherein five prizes were awarded. The '**Best Scientoon Award**' and the Second prize were won by Ms. Lakiesha Costa and Ms. Raisa Rodrigues respectively, both students of SY Biotechnology. Ms. Costa has also been nominated as an "**Ambassador of Scientoons for the State of Goa**" by Dr. Pradeep K. Srivastava.

CERTIFICATE COURSE IN FOOD PRODUCT AND BUSINESS DEVELOPMENT

Ms. Hashma Mujawar organized a Certificate course in Food Product and Business Development from 21st November – 1st December 2018 with a total of 60 hours of theory and practical covered in the course.

SYNAPSE 2k18 - 19

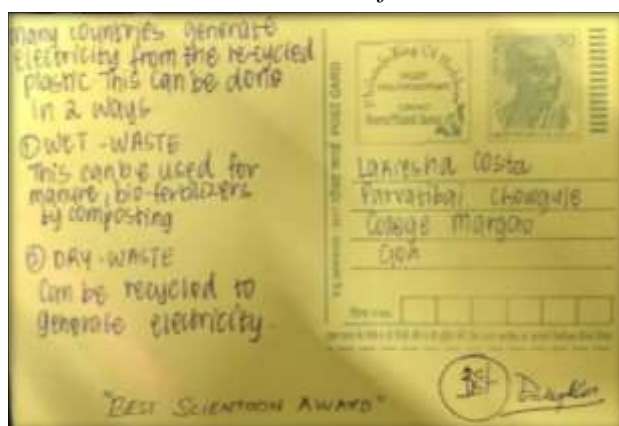
Organised the annual intercollegiate event "SYNAPSE" on 11th December 2018. The Inaugural function was graced by the Chief Guest, Dr. Ravidas Naik, Scientist from NCPOR. In his

address he praised the department for producing quality students who have had the opportunity to intern under him. Overall, a total of 30 students from three institutions - Dhempe College, Miramar; PES College, Ponda and Government College, Quepem participated in various events.



Participants of National Workshop on Sciotoons at Parvatibai Chowgule College

***“Best Sciotoon Award Winner” and ‘Ambassador of Sciotoons for State of Goa’
Ms. Lakiesha Costa Second year B.Sc. Biotechnology student of Parvatibai Chowgule College of Arts and Science, Gogol Margao Goa.***



GUEST LECTURE

- Organised a guest lecture on Mushroom Cultivation on 1st March 2019. The resource person for the talk was Ms.Gauri Prabhudessai, Zonal Agricultural Officer, Margao.



Ms.Gauri Prabhudessai delivering lecture on Mushroom Cultivation

- Organized guest lectures for the students of Biotechnology and Biochemistry on 23rd March 2019. The Guest lecture 1 was delivered by Mr. Ryan Vaz founder and Owner of Infinyt3D, Verna Goa on 'Bio-3D printing technology and its applications in the field of modern medicine' and demonstration of Bio-3D printed objects to the students. The guest lecture 2 was delivered by Mr. Hemant Bankhede Senior Scientist, Colorcon Asia Pvt. Ltd., Verna Goa on 'Malaria awareness' followed by demonstration of the '1-dollar handy microscope – Foldscope' which was indeed very information and resourceful for our students.



Mr. Ryan Vaz giving lecture on 'Bio-3D Printing' Mr. Hemant Bankhede demonstrating foldscope

FAREWELL PARTY

The students of SY Biotechnology organised a farewell for the outgoing batch on 5th April 2019.



STUDENTS ACHIEVEMENT

- **Ms. Fauzia Shaikh**, a dedicated, self -motivated and perseverant third year student of Biotechnology was the recipient of ‘Khorana Fellowship’ for the ‘Khorana Program for Scholars 2018’ which is a joint venture of the Department of Biotechnology, Government of India and the Indo-US Science and Technology forum. It provides an opportunity to the Indian students to experience world-class research facilities in leading U.S. institutions. She has carried out research at the University of Wisconsin Madison from 21st May 2018 to 31st July 2018. This Program is envisaged to provide encouragement to young scholars to undertake Research and Development, enable students to carry out research at a premier University in the United States and transform research into societal benefits and finally, to build a seamless scientific community between India and the United States.
- Teams of 15 students each from the Department of Biotechnology and Biochemistry participated in intercollegiate events MICRONOVA 2K19 and ‘MICROVISTA 1.0’ on 22nd and 25th January 2019, organised by Department of Microbiology, PES, College, Ponda Goa, and St. Xaviers College, Mapusa-Goa Respectively. Students participated in the various events organised and were the overall winners of the MICROVISTA 1.0.



Students from Department of Biotechnology and Biochemistry for Micronova 2K19



Students from Department of Biotechnology and Biochemistry for Microvista 1.0

- The Third year B.Sc. Biotechnology students, Mr. Sreetam Halder, Ms. Sagarika Prabhu Gaonkar, Ms. Prachiti Vaidya, Ms. Sanika Neurenkar and Ms. Megha Desai, under the guidance of Ms. Madhavi M. Motankar, Assistant Professor participated and won Third prize for Poster presentation on ‘Value added health products using medicinal plants’ for the ‘Ayurveda Youth Festival’ organized by the Central Council for Research in Ayurvedic Sciences, Ministry of AYUSH, Government of India at S. Z. Qasim Auditorium, National Institute of Oceanography, Dona Paula, Goa held on 3rd and 4th March 2019.



(L to R) Master. Sreetam Halder, Ms. Prachiti Vaidya, Ms. Sanika Neurenkar, Ms. Madhavi M. Motankar, Ms. Megha Desai and Ms. Sagarika Prabhu Gaonkar won 3rdPrize for Research Poster Presentation Competition from Ministry of Ayush, Government of India.

- The above students also participated in the Goa State Level Exhibition of ‘Research Based Projects’ organized by Department of Microbiology in association with Department of Science and Technology, Government of Goa at P.E.S.’s R.S.N. College of Arts and Science, Ponda on 9th March 2019 and won the First prize for Oral Research paper Presentation Competition on ‘Value added health products using medicinal plants.’



(L to R) Ms. Sagarika Prabhu Gaonkar, Ms. Prachiti Vaidya, Ms. Madhavi M. Motankar, Ms. Sanika Neurenkar, Ms. Megha Desai and Master. Sreetam Halder won 1stPrize for State Level Research Based Project Presentation from DST, Government of Goa at PES College, Ponda.

- The third prize for the same event was bagged by Ms. Drizia Faleiro, Ms. Gokul Gawas and Ms. Sheryl Furtado who worked on their project under the guidance of Ms. Madhavi M. Motankar, Assistant for Oral Research paper Presentation on ‘Innovative food products having medicinal benefits.’



(L to R) Ms. Drizia Faleiro, Ms. Madhavi M. Motankar, Ms. Gokul Gawas and Ms. Sheryl Furtado won 3rd Prize for State Level Research Based Project Presentation from DST, Govt. of Goa. at PES College, Ponda.

- The Consolation third prize was bagged by Ms. Palifa Dias, Ms. Mavelle Cardozo, Ms. Conchita Mascarenhas and Ms. Vismitha G. who worked for their project under the guidance of Dr. Kanchana R., Assistant Professor for the Oral Research paper Presentation on ‘Solution to pollution through biotechnological approaches’.



(L to R) Ms. Palifa Dias, Ms. Conchita Mascarenhas, Ms. Vismitha G. and Mavelle Cardozo won Consolation 3rd Prize for State Level Research Based Project Presentation from DST, Government of Goa at PES College, Ponda.

- Mr Myron Rebello Ms. Palifa Dias, Ms. Conchita Mascarenhas, Ms. Vismitha G. and Mavelle Cardozo won the Second prize for their presentation of project titled ‘Solution to pollution through Biotechnological approaches’ in the category of Life Science at the annual event of ‘Purna Diwas’, Parvatibai Chowgule College of Arts & Science (Autonomous) sponsored by DBT star college scheme, New Delhi.



Mr Myron Rebello Ms. Palifa Dias, Ms. Conchita Mascarenhas, Ms. Vismitha G. and Mavelle Cardozo Receiving the prize at the hands of Principal and Vice - Principal

- The following SY Biotechnology students won the First/second/third Prize for the ‘Innovative Ideas and Proof of Concept Competition 2019’ held on 28th February 2019 at the annual event of ‘Prerna Diwas’, Parvatibai Chowgule College of Arts & Science (Autonomous) sponsored by Department of Science and Technology, Govt. of Goa.
- **First Prize** - Ms. Sancia Vaz , Ms. Divya Reddy, Ms. Shruthi Ravedar, Ms. Trusha Naik Shirodkar and Ms. Abigail Antao.
- **Second Prize** - Ms. Shravani Shet Parker, Ms. Shreya Arundekar, Ms. Kora Barreto, Ms. Shreya Verlekar and Ms. Shawna Correia.
- **Third Prize** - Ms. Jyoti Poonia, Ms. Neha Gauncar, Ms. Nisha Kumar, Ms. Sarah Khandekar and Ms. Inoska Mendes.
- **Third Prize** - Ms. Myla Pereira, Ms. Kimberly Carvalho, Ms. Ashwini Naik Ms. Saina Patel and Ms. Aliya Sayed.

2017-2018

FRESHER'S DAY (19th July, 2017)

The largest batch of students entered Chowgule's as young aspiring Biotechnologists and to welcome them as being a new part of our Biotechnology family, the S.Y & T.Y.BSc students arranged a welcome party for the students on 19th July 2017 with a fun element of games while also giving the students an opportunity to introduce themselves and get to know each other. The students were very interactive and interested and also demanded a game with the teachers. The session ended with the serving of healthy yoghurt and fruit snacks to all, the snacks were specially prepared by the students of T.Y.BSc for their dear juniors and teachers.



SYNAPSE

The Department organized its annual event on 6th January 2018 for Biology students of Higher Secondary Schools and for Life Science students of undergraduate programmes in Goa. The event included creative competitions based on knowledge of the fundamentals of Biotechnology and the ability to apply the same. Participation included 5 colleges and 2 Higher Secondary Schools to contribute to a successful event.



Inauguration of Synapse



Winners of 'Synapse'

Guest lecture by Mr. Shane Quadros, an alumnus of our college on the 20th of January 2018. The talk aimed at familiarizing students with different ways of personality development and also to keep them informed about various opportunities globally.



Mr. Shane Quadros addressing the students of Biotechnology

STUDENTS ACHIEVEMENTS

S.Y.BSc. Biotechnology students, Ms.Jayashree Sanzgiri, Mr.Myron Rebello and Ms.Megha Desai, participated in the *Inter-Collegiate Polar Quiz Competition* based on Antarctica, Arctic and Himalayas (Third pole) held on 21st September, 2017 and bagged the first prize.



Jayashree S Madhavi MM Megha D Myron R

Biotech Winners of Polar Quiz Competition at International Polar Week 2017 at NCAOR, Goa

- The students participated in an intercollegiate event ‘Micronova 2k18’ organised by the PES college, Ponda on 3rd February 2018. Tanvi Matonkar, Eden Jacques, Alvita Dias, Aishwarya Bhat, Wendy Fernandes from TYBSc; Myron Rebello, Jayashree Sanzgiri, Joans Pires, Sreetam Halder, Veliton Fernandes, Sakshi Ahluwalia from SYBSc, and Shreya Arundekar from FYBSc participated in various event and bagged the overall runners up trophy and a prize money of Rs. 3000. Special mention about Veliton Fernandes, who won Mr.Micronova 2K18.



STUDENT'S FIELD TRIP (08.09.2017)

- Dr. R. Kanchana, Ms. Vallanka Dias and Ms. Sarah Mesquita along with the T.Y.BSc Students visited the sewage treatment plant at Tonca, Panjim where they studied various steps in the treatment of sewage. The physical, biological & chemical treatment of water makes it possible to use the water for irrigational purposes. It was fascinating to see such an enormous treatment plant generating treated water that can be used in a beneficial way.
- They visited Krishi Vigyan Kendra at Old Goa, where the resource persons explained as to how they help farmers and provide guidance with vermicomposting. The students were allowed to see the vermicomposting unit as well as the different varieties of worms used for the composting process.

The 4th BIOTECHNOLOGY ALUMNI MEET (2nd January 2018)

The Biotechnology Club - BIOCHROME - organized the '4th Biotechnology Alumni Meet' on 2nd January 2018 for which 23 alumni attended and shared their experience with the current students of Biotechnology of our college, providing an insight into Masters programmes and employment details. Most of them have pursued postgraduate degrees in other parts of India and abroad, specializing in Dietics & Nutrition, Forensic Sciences, Food Technology, Medical Biotechnology, Biotechnology and Biochemistry. Additionally, there were attendees who are currently employed in reputed companies such as Biocon, Natural Remedies, Quintiles, Wipro Life Sciences, Aqua Viva and Studymode (all in Bangalore), Alembic Pharmaceuticals, Quintiles, Thyrocare (all in Mumbai), Lupin Biotech (Pune). It was a wonderful experience to hear from the Alumni as they shared the ups and downs of their Biotech journey, contributing to the success of the event through their resourceful interaction. The final Biochrome activity for this academic year was conducted on 16th February which included the participation of students from all batches of Biotechnology to solve a Biotechnology puzzle - a brain storming yet fun experience for them.



Glimpses from the 4th annual Biotechnology alumni meet held on 2nd January 2018.

2016-2017

SWEDEN INTERNATIONAL EXCHANGE PROGRAMME

The students, Eldon Gomes, Prachiti Vaidya, Sakshi Ahluwalia, Sreetam Halder, Jayashree Sanzgiri, Sanika Neurenkar & faculty member Ms. Madhavi. Motankar all from the Department of Biotechnology participated in the International Science Exchange Programme at Bromma and Tulinge gymnasium, Sweden for the year 2016-17. The exchange program took place during 22nd April to 07th May 2017. They carried out studies of Swedish society & nature. The exchange programme consisted of lectures, field studies, study visits with focus on sustainable development, equality & ecology. As a part of the academic research, they carried out several surveys & research projects on the traditional food preservation techniques and home remedy measures using typical Swedish medicinal plants used commonly in Swedish homes. Various other parameters of lake Bröjak, lake Aspen of Södermanland and Fjarlang were part of their study. Water bodies close to the mining areas were investigated at various points for parameters such as pH, temperature, turbidity, nitrates, phosphates, etc. Other studies such as those on Phytoplankton, microbes, probable threats to ecosystems & food chain were also concluded. A visit to the Greenhouse labs and Stockholm University was a part of their study for the program. The students took a lot of trouble to present the 'India Day Celebration' at Bromma gymnasium, Nyängsvägen, Sweden that was eagerly awaited of and most appreciated by all who witnessed the beautiful performances. Another highlight of International Exchanges is family stay. Students stay with the family of host students to experience the culture, social and day to day lifestyle of the family. It provides an enriching learning environment for students of both countries i.e. India and Sweden. Having enjoyed the programme, the students return to their home country with new found strength, confidence, and self-understanding. These experiences can help the young minds gain these qualities so early on in life — that is truly the magic of International Exchange programmes.



Glimpses from the Sweden International Exchange Programme

BIOCHROME CLUB ACTIVITIES

- The Biochrome club of the department conducted the chart making competition on the topic 'Good Laboratory Practices'(GLP) that was held on 6th August 2016 in the biotechnology laboratory. The students had to come up with innovative methods to explain the concept of GLP that is the basis for ensuring smooth and organized quality systems for laboratory studies. The winners of this competition were as follows: first prize shared by Halder Sreetam & Fernandes Veliton Alester; second prize shared by Fernandes Shinoska Siona & Vas Blossom Claire and third prize shared by Fauzia Bi Shaikh & Desai Megha Mohan.

The 3rd BIOTECHNOLOGY ALUMNI MEET (3rd September 2016)

- The Biochrome club organised the annual third biotechnology alumni meet was conducted on 3rd September 2016 in the college. The alumni of batches 2011, 2012, 2013, 2014 and 2015 participated in this meet. The alumni shared their experiences, advice and provided some insight into careers for the current students with regard to their job profiles and nature of work in their respective chosen fields.



The 3rd annual biotechnology alumni meet conducted on 3rd September 2016 with participants from batches 2011, 2012, 2013, 2014 and 2015.

GUEST LECTURE

- The Department organized a guest lecture on 26th August 2016 on "The Impact of Nanotechnology on Biotechnology", delivered by Dr. Meenal Kowshik, Associate Professor, Birla Institute of Technology and Science (BITS)-Pilani, Goa.
- The Department organized a guest lecture on "The World of Cell and Microbes, Genetic Engineering and Biotechnology, Maintenance of Botanical Gardens" as part of a Refresher Course for Trained Graduate Teachers of Jawahar Navodaya Vidyalayas on 5th December 2016 at Navodaya Leadership institute, Canacona.

SYNAPSE 2016

- The Department organized its annual Biotechnology event, "SYNAPSE" on 13th December 2016. The competitions included Debate, Quiz, Marathon (based on Biotechnology puzzles), Lyrical Biotechnology and Foodie Biotech (depiction of a

concept or process of Biotechnology through food). Participation included a total of 71 students from 5 colleges and 2 Higher Secondary Schools. In the college category, Dhempe college of Arts and Science emerged Winners for the fourth year in a row, while St Xavier's College of Arts, Science and Commerce First Runners-up. In the category for HS Schools, Presentation Convent Higher Secondary placed First, followed by Loyola Higher Secondary school.



Glimpses from SYNAPSE held on 13th December 2016, depicting the inauguration, address by Chief Guest and the different competitions held.

STUDENT ACHIEVEMENTS

- Fauzia Bi Shaikh, FY B.Sc Biotechnology published an article titled 'Genetics from scratch to CRISPR' is available at <http://www.biotecharticles.com/Biotech-Research-Article/Genetics-from-Scratch-to-CRISPR-3710.html> and the article was linked by George M. Church from watstory.com to Harvard Molecular Technologies. George Church is Professor of Genetics at Harvard Medical School and Director of PersonalGenomes.org, which provides the world's only Open- access information on human Genomic, Environmental & Trait data (GET). She also won the Marubeni India Meritorious Scholarship 2017 worth Rs.40,000.



Fauzia Bi Shaikh, the co-author of the published article titled 'Genetics from scratch to CRISPR'

- LAN foods is a firm co-founded in May, 2016 by Lisha Da Costa, Ashmi Chari and Natasha Kamat, students of Biotechnology, Chowgule College (Batch 2012-13). While working on their third year project under the guidance of Dr. R. Kanchana, soy based food product was developed and since the process used for making the product the same has been filed for Indian patent in 2016. It is a food biotechnology based start-up which focuses on tackling certain health issues such as lactose intolerance, and also to Cater the needs of vegans. The product is a blend of two critical ingredients namely soya beans and probiotics which is lactose free and a perfect mix for maintain a healthy life. The goal of LAN foods is to be the premiere food tech company in the nation to deliver 100% natural and healthy products.



Lisha Da Costa, Ashmi Chari and Natasha Kamat, alumni of Chowgule college and co-founders of the startup firm-'LAN foods' in May, 2016

2015-2016

FIELD TRIP VISITS BY T.Y.B.SC STUDENTS:

- On 3rd March 2015, the students of T.Y.B.Sc Biotechnology, accompanied by two faculty, visited Biogas plant at Seraulim to understand the construct and Working of a biogas plant. They also Visited Cutbona fishing jetty on 3rd March 2015 to observe the different types of craft and equipment that are involved in fishing.
- On 13th September 2015, 35 students from First, Second and Third year Biotechnology and 2 faculty of the Department of Biotechnology along with a faculty member from the Department of Physics went for a trek to Netravalli waterfalls.



• **Biotechnology Nature trek to Netravalli waterfalls.**

- On 1st October 2015, the TYBSc students visited John Distilleries, Cuncolim Industrial Estate, Goa in order to understand the processes that are employed in the production of wine.
- On 21st March 2016, the T.Y.B.Sc. Biotechnology students visited the effluent treatment plant at Tonca, Panaji as part of their curriculum in order to familiarize themselves with the process of treatment of effluents.

STUDENT-FACULTY ACTIVITY:

- Ms. Lee-Anne D'Costa and Ms. Madhavi M. Motankar, along with 17 students of T.Y.B.Sc Biotechnology, attended a one-day State Level Seminar sponsored by the Department of Science and Technology, Government of Goa on 'Archaea: Microbes of the Third Domain of Life' organized by the Department of Microbiology, P.E.S.'s R.S.N. College of Arts and Science, Farmagudi, Fonda on 28th September 2015.
- Ms. Liesl De Silva and Ms. Lee-Anne D'Costa along with 10 students of T.Y.B.Sc Biotechnology, participated in the National Wellness Entrepreneurship Workshop on "OKDAAM – Decoding Traditional and Modern Medicine" organized by Fr. Agnel College, Pilar Goa on 11th February 2016.

BIOCHROME CLUB ACTIVITIES

- Biotechnology Club organized creative, skill based fun learning activities for the FY, SY and TY Biotechnology students. The total number of participating students in various

Biochrome activities conducted over the academic year 2015-2016 was 133. The activities included the following: Laboratory Ethics Chart making competition, Poster making, Instrumentation (Principle & working], Alumni meet, Quiz in Biotechnology, Nature trail, Scrambled words, Working Model Making, Essay writing on the topic "Biotechnology is a Boon or Bane?" and Creative Eco-Bag making Competition.

The 2nd BIOTECHNOLOGY ALUMNI MEET (5th September 2015)

- The 2nd Alumni Meet of Biotechnology students was organized by the Biochrome members on 5th September 2015 between 2pm to 5pm. The alumni of batches 2011, 2014 and 2015 participated in the meet. The alumni shared their experiences, advice and provided some insight into careers for the current students with regard to their job profiles and nature of work in their respective chosen fields.



The 2nd annual biotechnology alumni meet conducted on 5th September 2015 with participants from batches 2008, 2009, 2011, 2012, 2013 and 2014.

GUEST LECTURE:

- The Department of Biotechnology organized a Guest Lecture on 25th July 2015. The Speaker was Dr. Savita S. Kerker, Professor, Department of Biotechnology, Goa University and the topic of her lecture was "Innovations in Biotechnology".



Dr. Savita S. Kerker, delivering her lecture on "Innovations in Biotechnology".

- The Department of Biotechnology Organized a Guest Lecture on 3rd March 2016 which was delivered by Dr. Sheo Mohan Singh. Organizer & Director of ICSCCB, Pune. The topic of the lecture was "Role of Biotechnology in Stem Cell and Cancer Biology".

NATIONAL WORKSHOPS

- Organized a Two-Day National Level Workshop on Drug Discovery Technology on 15th and 16th January 2016 with a total of 80 delegates from within and outside Goa. Participants included students, research scholars, and faculty from various institutes as well as scientists and other corporate representatives.



National Workshop on Drug Discovery Technology

EXTENSION ACTIVITY:

- On 23rd January 2015 and 21st August 2015, students and faculties from PVS Sarojini Madhusudan Kushe Higher Secondary School, Mapusa, visited the Department of Biotechnology along with the Genetic Research Lab. The students were keen to understand the principle and Working of Agarose Gel Electrophoresis and they were given a brief presentation followed by a practical demonstration of the experiment by Ms. Liesl De Silva.
- The Department was visited by 37 students and 2 faculty members from Department of Zoology, Lady Doak College, Madurai, Tamil Nadu on 12th September 2015 for the purpose of observing the set-up of a Biotechnology laboratory and the instruments used in experiments.
- Lastly, on 1st October 2015, 5 students of T.Y.B.Sc Botany, accompanied by 2 faculty members from Government College of Arts, Science and Commerce, Quepem, visited the Biotechnology laboratory for the purpose of acquainting the students with tissue culture laboratory organization, culture room and callus formation.

SYNAPSE 2015

- Organized an exhibition cum event, "SYNAPSE" on 14th and 15th December 2015. The exhibition on Day 1 included a total of 60 students from 4 Higher-Secondary schools and Day 2 involved the participation of 57 undergraduate students of Life Sciences from 4-colleges.



Glimpses from various exhibitions and competitions organized during the SYNAPSE event held on 14th December 2015.

STUDENT ACHIEVEMENT

- Four students of T.Y.B.Sc Biotechnology presented papers of their respective project work at the National Seminar on "Recent Developments in Biotechnology" organized by Department of Biotechnology, St. Xavier's College of Arts, Science, Commerce, Mapusa-Goa on 9th and 10th March 2015.