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ANNUAL REPORT 2021 -2022



PG DEPARTMENT OF BIOCHEMISTRY
MARKAZ ARTS AND SCIENCE COLLEGE, ATHAVANAD

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Time can never fade the memories of you. Words can't describe your absence in this world.
The Biochemistry department expresses greatest condolences. May your Soul Rest in Peace.

ആദരാഞ്ജലികൾ



Jyothika. C. A
MSc. Biochemistry
2020-22 Batch
Markaz Arts and Science
College, Athavanad

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The college reopened for the academic year 2021-2022 on 2nd June Tuesday.

Since the Covid -19 pandemic conditions were persisting, the mode of teaching was continued via online as done in the last academic year. In this academic year a new Learning Management System, Embase Prosuit , was introduced by the management and all faculties were instructed to follow this software for taking classes and marking attendance.

STAFF AND STUDENTS

Biochemistry Department has 7 faculty members and 1 lab attender. Mrs. Seena P was the Head of the Department. Other faculties were Arifa P.P., Jaseela K.P., Thasleena K.K., Surur Jahan KK, Rincy CK and Deepika C. Abitha PP was the Lab attender.

Mrs.Arifa PP continued as Department Secretary for the academic year 2021-2022 also.

The Department has 114 students on roll of which 90 are degree students, in which there were 9 boys and 81 girls and 24 are PG students (2 boy & 22 girls).

TOTAL NUMBER OF STUDENTS B.Sc. BIOCHEMISTRY DEGREE PROGRAMME 2021-2022

SL . NO	CLASS	NO: OF BOYS	NO. OF GIRLS	TOTAL STUDENTS
1	FIRST YEAR	6	25	31
2	SECOND YEAR	3	32	35
3	THIRD YEAR	0	24	24

Table 1: Number of students in B.Sc. Programme 2021-22

TOTAL NUMBER OF STUDENTS M.Sc. BIOCHEMISTRY DEGREE PROGRAMME 2021-2022:

SL.NO,	CLASS	NUMBER OF BOYS	NUMBER OF GIRLS	TOTAL
1	First year	1	11	12
2	Second year	1	11	12

Table 2: List of students in PG during academic year 2021-2022

ADVISORY DETAILS

The details of advisors were as follows; Mis.Rincy CK was assigned the advisory duty for first year B.Sc., Mrs.Arifa PP was assigned the duty of advisor of second year B.Sc. and

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Mrs. Jaseela KP was the advisor of third year B.Sc.. Mrs. Deepika C & Mrs. Suroor Jahan KK was the advisors of first and second year PG respectively.

LAST YEAR ACADEMIC RESULT

DEGREE

The number of candidates registered for the final year UG University examinations were 24. 19 students appeared for the examination and 11 passed for the examination with a pass percentage 57.89%.

POST GRADUATION

The PG result of this academic year was really a great and proud moment for the Department. Department bagged first three ranks and eighth rank for PG examination under Calicut University.

In PG, 5 students appeared for final year University examination and 4 passed. The pass percentage was 80%. Mariya Hashimi secured 1st rank with CGPA 4.28 and overall grade O. Shadia bagged second rank with CGPA 4.14 and overall grade A+. Nakheeba Nargees bagged third position with 4.06 CGPA and overall grade A+.



Mariya Hashimi ,1st Rank



Shadia N ,2nd Rank

Figure 1 : Photos of M.Sc. Bichemistry rank holders

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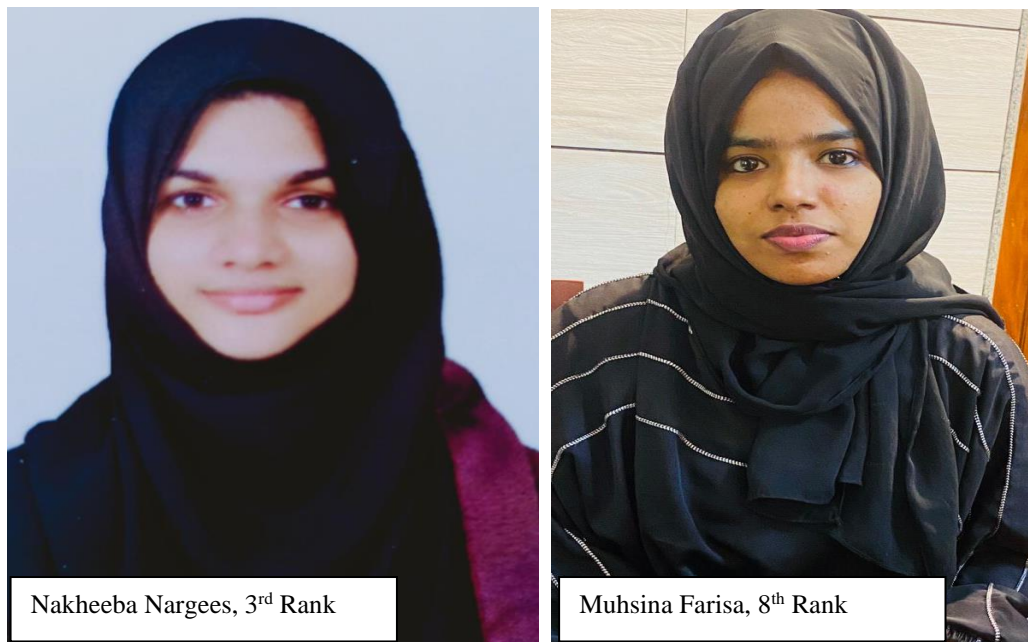


Figure 2 : Photos of M.Sc. Biochemistry rank holders



Figure 3: Poster of congratulation of rank holders

DETAILS OF WEBINARS ATTENDED BY TEACHERS

- 1) Department staffs participated in the Webinar on “Use of ICT for Improving College Administration” organized by Mastersoft in association with IQAC Kottakkal Farook Arts & Science College on 29th May 2021.

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- 2) Arifa PP has participated in a National Level Webinar on “ Understanding the Psychological and Biochemical Effects of Stress on Health” organized by Department of Biochemistry, Sree Narayana Guru College, on 5th August 2021.
- 3) Seena P has attended an International Webinar on “Toxic gain of function and microtubule dysregulation associated with cell model of Hereditary Sensory Neuropathy Type 1A” Organized by the Department of Biotechnology, Presentation College of Applied Sciences, Puthenvelikkara on 27th October 2021.
- 4) Suroor Jahan KK, Department of Biochemistry, attended an online webinar on "The Influence of Rare Cells in the Nervous System" organized by The Scientist Magazine, on 27th January 2022.
- 5) Seena P has attended an online talk organized by St.Berchmans College, Changanassery, Kerala on “Building, Using and Teaching the Tree of Life” by Prof. Douglas Soltis, University of Florida on 2nd February 2022.
- 6) Seena P has attended an online talk organized by St.Berchmans College, Changanassery,Kerala on “Repurposing Herbarium Specimens for Integrative Research in the 21st Century” by Prof. Pamela Soltis, Distinguished Professor and Curator, Florida Museum of Natural History, on 3rd February 2022.

DETAILS OF FDP /WORKSHOP/TRAINING ATTENDED BY FACULTIES

- 1) Mrs.Seena P and Mrs.Arifa PP had successfully completed seven day National level FDP – “ Prudent Teaching Dynamics”- organized by IQAC Safi Institute Of Advanced Study, Kerala during 21st to 28th June 2021.
- 2) Seena P and Arifa PP have successfully participated in eight days National Level Workshop on “Research In higher Education Institutions” organized by the Research & Development Cell of Sree Narayana Guru College, Coimbatore from 11th to 19th of August 2021.
- 3) Seena P and Arifa PP have successfully participated in one week online Research Methodology Workshop on New Education Policy – New Research Prospects organized by Kolathur T Muhammed Moulavi Chair For Research Promotion held from 22/09/2021 to 28/09/2021
- 4) Arifa PP has participated in three days online workshop on “Molecular Docking” organized by the Department ofBioinformatics, Nirmala College for Women, Coimbatore, from 20th December to 22nd December 2021.

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- 5) Suroor Jahan KK, faculty of Biochemistry department has successfully completed the distance learning “General Course on Intellectual Property” organized by WIPO Academy, under World Intellectual Property Organization, from 1st November 2021 to 15th December 2021.



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Figure 4 : Certificates of seminars and workshop attended by staffs

DETAILS OF STUDENTS ATTENDED PROGRAMMES

- All the first and second year PG students of Biochemistry has successfully completed two day training on “Basics Techniques in Molecular Biology and Bioinformatics” conducted by Amplicon Biolabs, KINFRA Techno Industrial Park, Kakkanchery, Kerala from 31st January 2022 to 3rd February 2022.



Figure 5 : Certificates of training attended by students

DETAILS OF DEPARTMENT ACTIVITES

1) WORLD ENVIRONMENT DAY CELEBRATION

Department celebrated World Environment Day on 5th June among students by planting saplings in their homes. They also prepared drawings, painting pictures connected with the topic “Environment”. Students were advised to send pictures or photos to their respective class advisors on the same day before 5 pm. All the classes in the Department actively participated in the programme.

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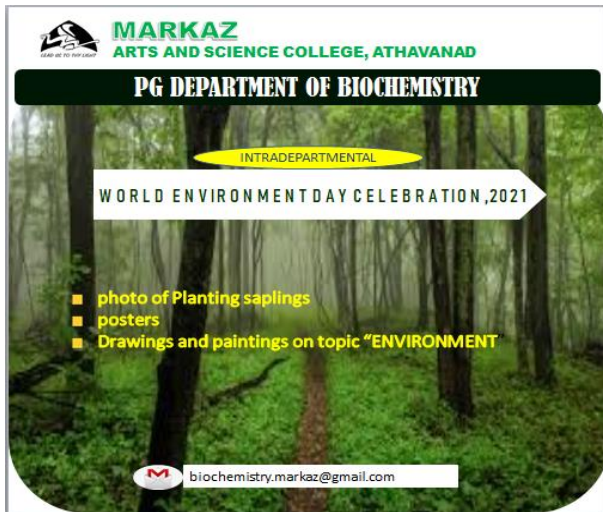


Figure 6: Brochure Of World Environment Program



Figure 7: Drawing From Student Related To Environment



Figure 8: Photos Of Students Planting Saplings

2) SOCIAL OUTREACH PROGRAMME

Department of Biochemistry in association with Internal Quality Assurance Cell (IQAC) conducted a **Social Outreach Programme**, a Live Talk on “*Covid-19 Vaccination-Myths and Facts*” on 14th June 2021 at 7 pm via Googlemeet. The session was inaugurated by **Dr.C.P .Muhammed Kutty, Principal, Markaz Arts and Science College, Athavanad**

The Resource person was **Dr. Shimna Azeez, Medical Doctor, writer and Public Health Worker**. She explained in detail about vaccination for Covid-19 and clarified doubts of the participants. A total of 100 members participated including students, parents and localites. The session

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was very informative to the local peoples; they arised many queries regarding vaccination. Welcome speech given by Seena.P, Head of Biochemistry Department and Arifa.P.P, Department secretary delivered vote of thanks. Session was hosted by Aysha Nihala, student of fifth sem Biochemistry. The session ended at 9.30 pm

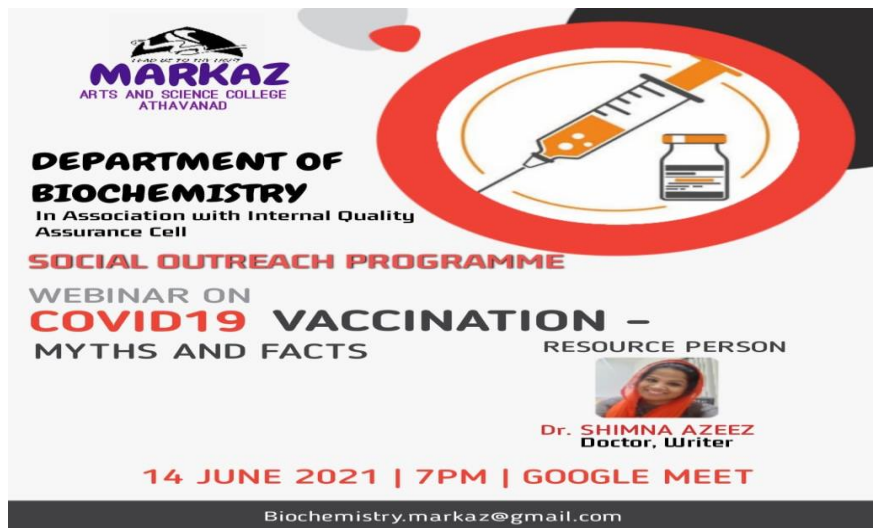


Figure 9: Brochure Of The Program

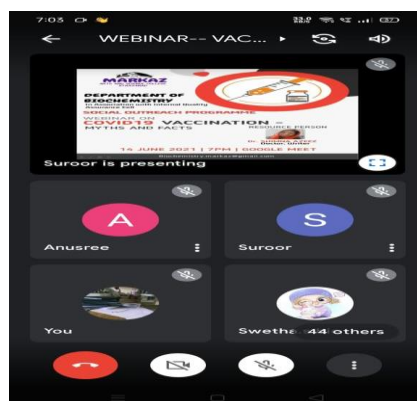
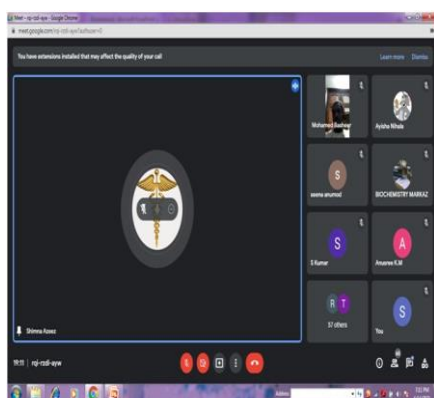


Figure 10: screenshot of the programme

3) WEBINAR DETAILS

- Department of Biochemistry in association with IQAC conducted a webinar on “**REAL TIME PCR IN DIAGNOSTICS DURING COVID 19**” on 26th July 2021, Monday at 3pm via Google meet. The session was opened for outside students too. The webinar was inaugurated by **Dr.C.P .Muhammed Kutty, Principal, Markaz Arts and Science College, Athavanad.** The Resource person was **Dr. Beena.P.S, PI and Director OmicsGen Life sciences Pvt ltd, Cochin.** Dr. Beena explained about PCR technique and its application in COVID -19 diagnostics. The session was very interesting and students asked doubts regarding CT value and the PCR results. She cleared all the doubts of the participants. About 95 members participated in the webinar which includes faculties and students from other colleges. Welcome speech was given by Arifa.P.P, Department secretary. Deepika, Faculty of Biochemistry introduced the guest and Jaseela.K.P, delivered vote of thanks. Student Aysha

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Nihala hosted the programme. Session ended at 4:30 pm. Participation certificate was issued to all the participants who had filled the feedback form.

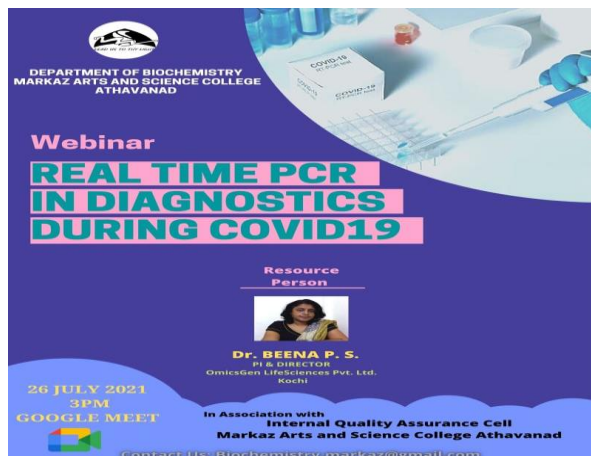


Figure 11: Programme Brochure

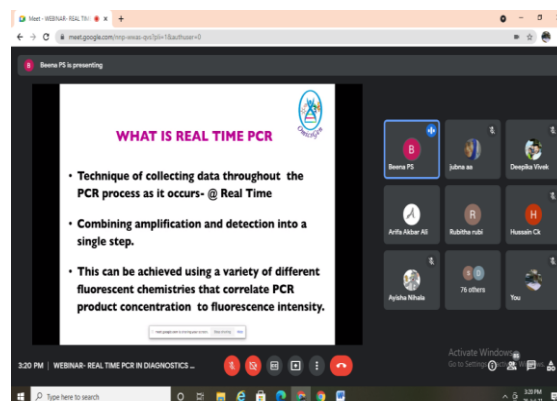


FIGURE 12: screenshot of the programme

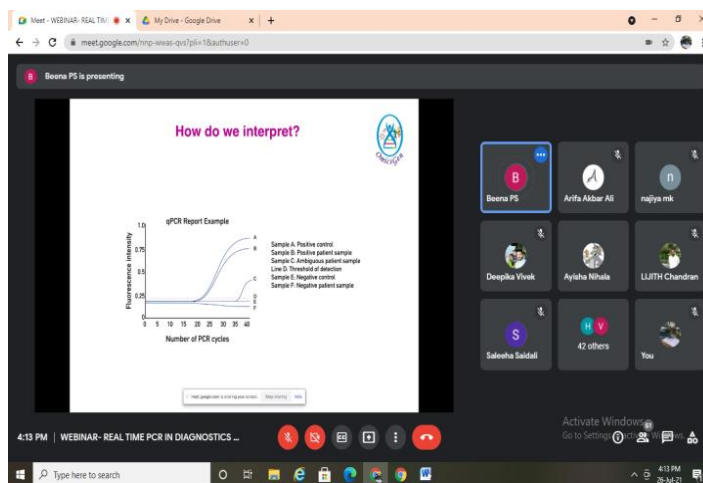
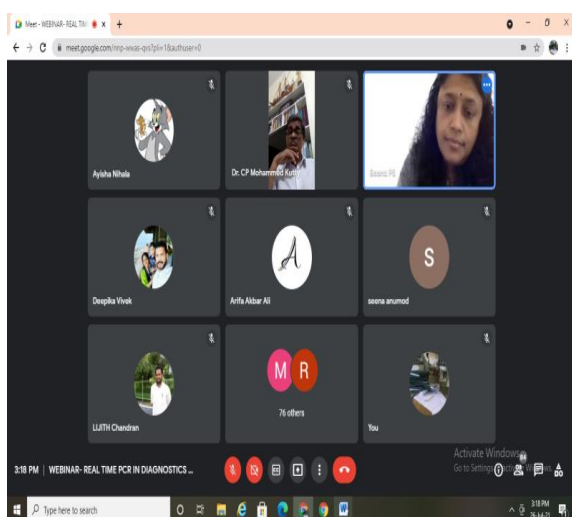


Figure 13: screenshot of the programme

- Post Graduate Department of Biochemistry in association with IQAC conducted a talk on **“Tools and Applications of Bioinformatics”** on 11th February 2022 at MMC Hall. The Resource person was Dr. Sahila.M, Assistant Professor in Bioinformatics, SAFI Institute of Advanced Studies, Vazhayoor. The programme started at 10 am by the welcome speech of Mrs. Arifa PP, Assistant professor, Department of Biochemistry. Mr.MohammedShafi CC, Vice Principal and faculties of Biochemistry Department- Thasleena KK & Rincy CK - gave felicitation. The programme was anchored by Aysha Nihala and the vote of thanks was given by Wafa CK, students of final year B.Sc. Biochemistry. About 100 students participated from the Department. The programme ended at 3.30 pm.

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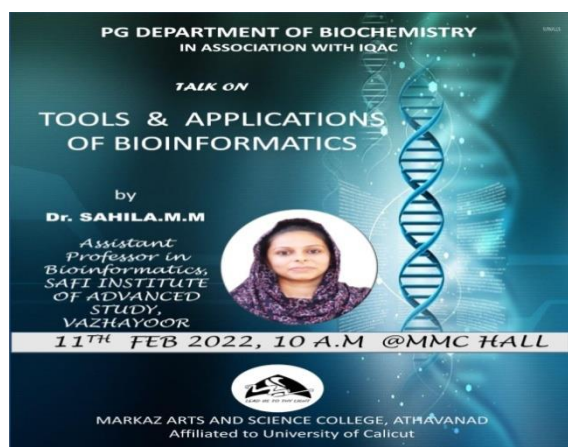


Figure 14: programme brochure



Figure 15: Dr. Sahila.M, sharing her insights

- As a part of National Science Day 2022, PG Department of Biochemistry, in association with Internal Quality Assurance Cell, had organized a one day National Seminar on “Molecular Biology” at Markaz Auditorium. The session was opened for life science students from outside colleges too. The inaugural session was begins at 10am. The seminar was inaugurated by Dr. CP Mohammed Kutty, respected Principal of Markaz Arts and Science College. Mrs. Seena P, HoD, Biochemistry Department had delivered the welcome address. Biochemistry Department Secretary, Mrs.Arifa PP, gave the presidential address. HoDs of various departments,IQAC Coordinator and Superintendent of Markaz College, gave felicitation. After the inauguration session, there were two sessions handled by two well known Resource Persons.

The Forenoon session (11am-12.30pm) was handled by Dr.Anitha Ayyappan Pillai, Associate Professor, Department of Neurogenetics, Institute for Communicative Cognitive Neurosciences (ICCONS), Shoranur. The Resource Person gave a detailed talk on “Strategies for Identification of Disease Genes”. The session was very informative and interesting. After the talk, session was opened for discussion. Students raised many queries and Madam clarified all the doubts. Vote of thanks was delivered by Mrs.Deepika C, Assistant Professor of biochemistry department.

The Afternoon session was handled by Dr.Dileep Francis, Assistant Professor, Department of Life Science,, Kristu Jayanti College, Bengaluru. The topic discussed was “Molecular Biology of SARS-COV 2 & Its Therapeutic Implications”. The Resource Person handled the session in such an exciting manner that made all the participants to able to impact more knowledge about SARS-COV 2. The session was very interactive and live. Resource Person asked questions and made the participants to respond. Starting from history of virus he took the participants to the world of of SARS-COV 2 and also explained in detail about its therapeutic implications. Certificate of participation was provided to all the attended members. A total of 150 participants attended the seminar out of which 40 were from outside colleges.

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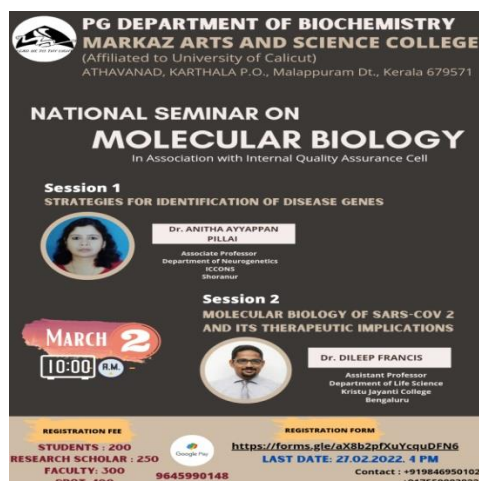
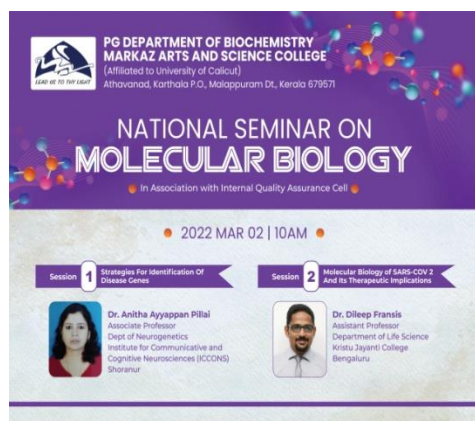


Figure 16 : Brochures of National Seminar



Figure 17: Dr.Dileep Francis receiving certificate of appreciation



Figure 18 : Dr.Dileep Francis sharing his lecture

4) INDEPENDENCE DAY CELEBRATION

PG department of Biochemistry, Markaz Arts & Science College, organized a tribute mashup video and an Inter Department speech competition on behalf of Bharath Ka Amruth Mahotsav Independence Day celebration 2021. The mashup was created by IInd semester B.Sc. Biochemistry students and staff coordinators from the Department and released on August 15th. Speech competition was conducted in English and Malayalam languages. In English, the topic was 'Importance of Freedom and Responsibility' and in Malayalam the topic was 'Aadhunika India-yil Swathanthryavum Jathi Vyavasthayum'. Students from various Department was participated and Princy Mol (IInd semester BA English) won first prize in Malayalam speech competition and Muhammad Al Ghazi(IInd semester, M.Sc. Biochemistry), Ayisha Farsana (IInd semester, B.Sc. Biochemistry) secured first and second positions respectively in English speech competition.

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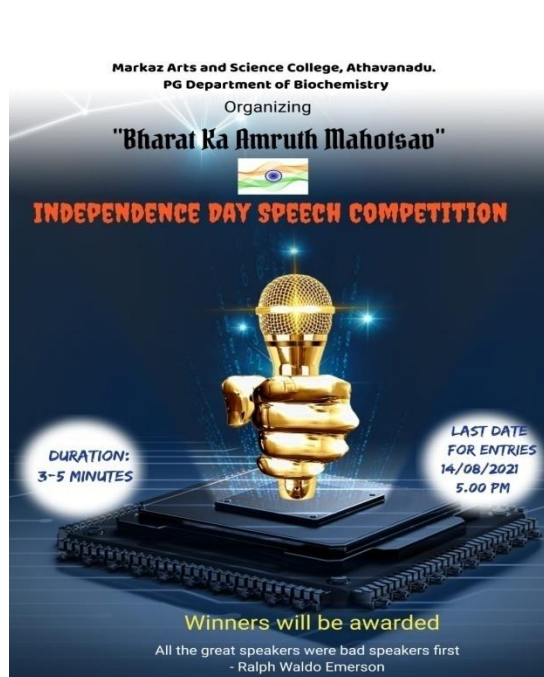


Figure 19 : Poster of inter department speech competition



Figure 20 : Poster of winners of inter department speech competition

5) DEMONSTRATION CLASS ON ANALYSIS OF FOOD ADULTERANTS

Food and safety Department, Malappuram in association with Biochemistry Department conducted a Demonstration class on Analysis of Food Adulterants on 19th NOVEMBER 2021 at Markaz Arts and Science College Campus. The session started at 11am. Mrs. Priya Wilfred, Food Safety Officer, Tirur Circle and Mobile Food Testing lab Technical assistants explained about the various adulterants used in Food items and the tests to determine the adulterants. Twenty three students of BSc. Biochemistry and faculties from Biochemistry Department attended the programme. The programme was very informative and helped the students to get awareness about the common adulterants present in daily using food items such as coriander powder, chilli powder, coconut oil, fish etc...

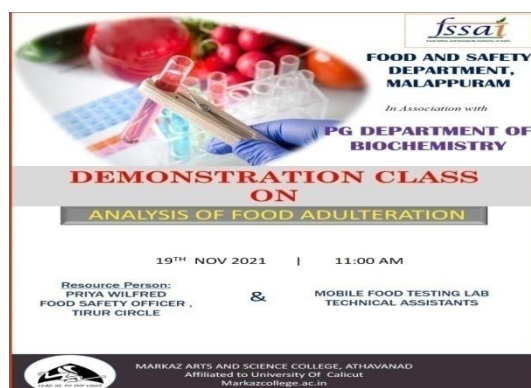


Figure 21 : Poster of demonstration class on analysis of food adulterants

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Figure 22: Students attended demonstration class with food safety officers



Figure 23: Students attending demonstration class



Figure 24: food safety officers taking demonstration class

6) DIABETES DAY OBSERVATION (14th NOVEMBER)

As a part of Diabetes Day (14th November) Department of Biochemistry organized an awareness programme on 19th November 2021. Second year B. Sc. Biochemistry students took classes for first year Biochemistry students. The classes were on; types of diabetes mellitus, diabetes treatment, health effects of diabetes, dietary guidelines, food allowed, avoided foods, do's & don'ts. RishaFathima, FathimaNasrin, AyishaFarsana & Rimsha took the class. The classes were explained in an all encompassing and comprehensible manner. The students clarified their doubts and the programme received good feedback from all the attended members. Rincy CK., Assistant professor, accompanied the Seminar.

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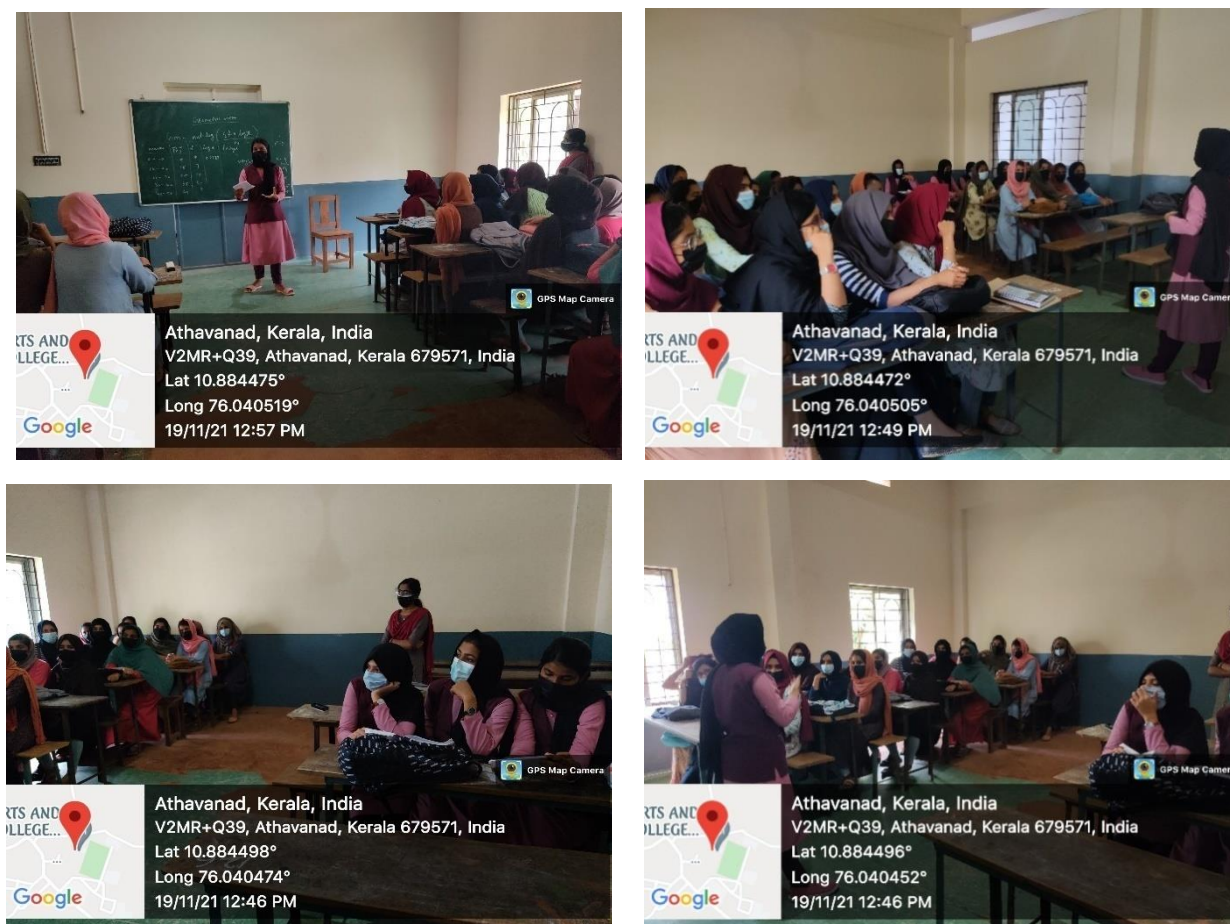


Figure 25 : Students taking awareness class on diabetes

7) AIDS DAY PROGRAMME

Association of Biochemistry Department conducted an Inter Department Poster Making competition on 1st December 2021 on behalf of World AIDS Day. The theme for the poster was “END INEQUALITIES, END AIDS”. Students from other departments enthusiastically participated in the competition. The competition was held at Seminar hall ,Markaz Arts and Science College, on 1/12/2021 at 11 am. The time duration was half an hour. The programme was coordinated by Mis.Thasleena KK, Assistant Professor, Department of Biochemistry. The evaluation of posters was done by Mr.Mohammed Jaseel, Faculty of Microbiology Department and Mrs.Arifa of Biochemistry Department. The first and second prize of the competition was secured by Shahdha of first year BA Functional English and Rafa Nazlin A of first year B.Sc. Microbiology respectively.

Department Association also gave awareness about AIDS and its preventive measures by hanging Charts mentioning about AIDS on the corridors of College.

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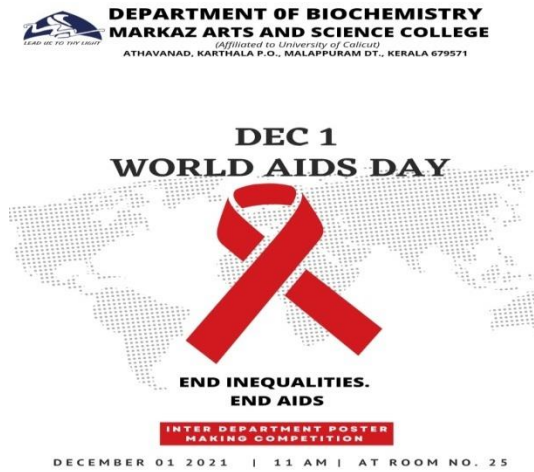


Figure 26 : Poster of World Aids day Program

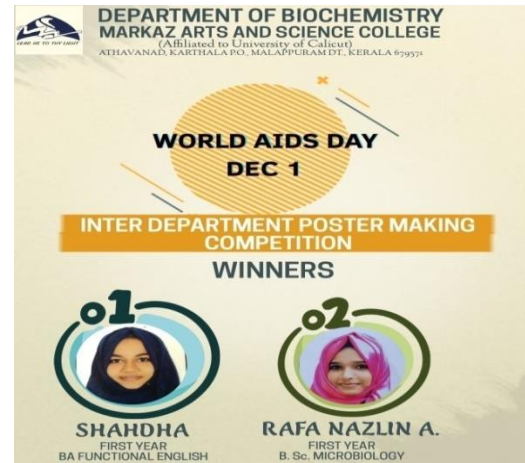


Figure 27 : Poster of winners of interdepartment poster making competition

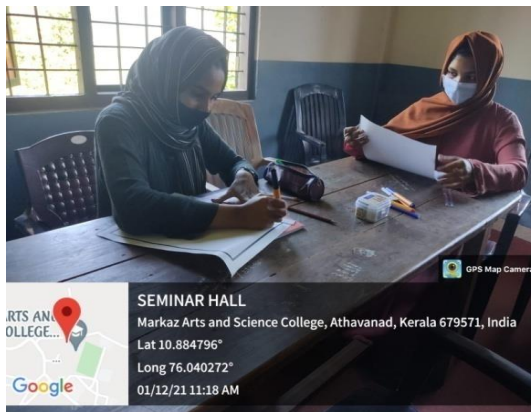


Figure 28 : Photos of students participating in poster competition



Figure 29 : Photos of students hanging awareness charts on Aids

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OTHER ACTIVITIES

- Second year students of Biochemistry organized a Freshers Day party for the first year UG Biochemistry students on 23/11/2021, Tuesday, at Markaz Auditorium at 10.30 am. The programme was inaugurated by Dr. CP Mohammed Kutty, Principal, Markaz Arts and Science College. Welcome speech was given by Mrs. Seena P, HoD of Biochemistry department. All HoDs gave felicitation. The first year students were very much enlightened because their seniors welcome them in a friendly manner and encouraged their creative impulses to boost their confidence. The programme ended at 3.30pm by vote of thanks from Mrs. Arifa PP, Biochemistry Department Secretary. The programme made a strong bond between juniors and seniors



Figure 30 : Photos of students performance on freshers day party



Figure 31 : Photo of students performance on freshers day party



Figure 32 : Mrs. Arifa P.P. giving vote of thanks .

- As a part of National Science Day celebration, an open house- Department Level Exhibition, was organized by IQAC, Markaz Arts and Science College On 17th March

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2022. Department of Biochemistry arranged a stall at room number 20. Department faculties Deepika and Rincy coordinate the arrangements for the exhibition. Students presented both working and still models of Dialysis, glomerular filtration etc.. They showed the methods to check the presence of various adulterants in the common food items. Saleeha, student of final year degree gave a beautiful explanation of various nutritional components present in the food items by simple experiments. Parents of first year students also visited the stalls and were very enlightened by the performance of students. Students also displayed charts mentioning various hormones that affect our system, health and life style diseases.



Figure 33 : Inauguration of department level exhibition



Figure 34 : Students explaining about their stall to the visitors

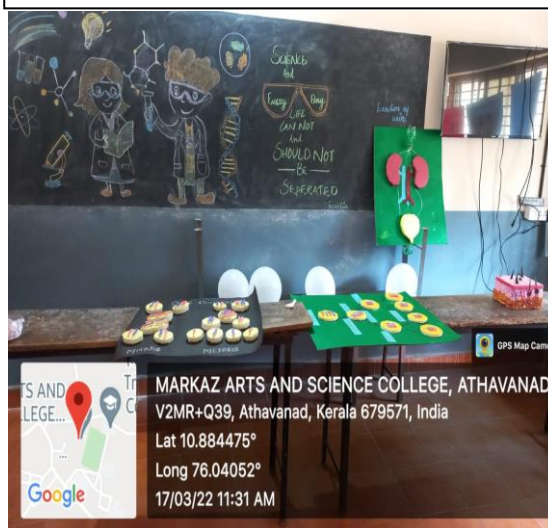


Figure 35 : Photos of exhibition stalls

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JOB FAIR

- Department of Biochemistry conducted an JOB FAIR on 22nd march 2022 (Tuesday) . the programme was organized by Career Guidance and Placement Cell (affiliated to Calicut University Employment Information and Guidance Bureau) in association with MKH College of Para Medical Science,Tirurangadi. A total of 12 students from final year UG and PG registered for the job fair and 11 attended the session. The interview was conducted at PG Biochemistry lab. The session was handled by Mr.MM Idrees ,Vice Principal, MKH College of Para Medical Science,Tirurangadi.

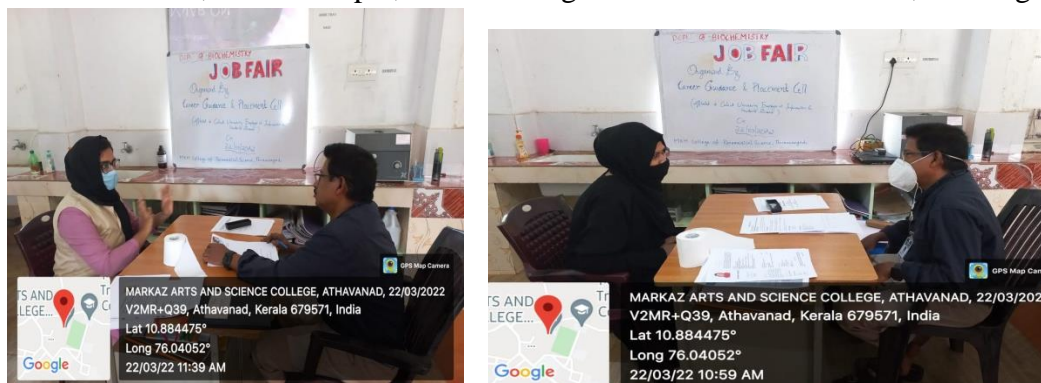


Figure 36 : Mr.MM Idrees interviewing the students.

DETAILS OF PTA MEETING

PTA meetings were conducted for all the batches. 3rd semester meeting was on 14/09/2020, Monday at 4 PM. 5th semester meeting was held on 10/09/2021, Friday, at room number 8 at 3pm. An offline general PTA meeting was conducted for first semester B.Sc. Biochemistry on the first day of the commencement of their classes (25/10/2021, Monday) to give a detailed idea about course outcome and rules of college. Similarly a general PTA meeting was conducted for 1st semester PG on 25/11/2022. Offline PTA meeting was conducted in the even semester for all classes in the following dates – 17/03/2022 (Thursday) 1st year UG, 22/11/2022, 14/03/22 final year UG, 24/02/2022 second year UG.

Thus a total of 8 PTA meetings were conducted in the academic year 2021-2022.

ALUMNI DETAILS

Alumni meet up program was conducted by 2017-20 batch B.Sc. students through google meet on 10th October 2021. The programme started with the welcome speech of Shaheer, a student in the batch and inaugurated by Mrs. Suroor Jahan K.K., Assistant Professor, Department of Biochemistry and former class advisor of the batch. Arifa PP, Assistant Professor, Department of Biochemistry , who mentored this batch gave felicitation. After their speech and interaction with batch members all of them shared their unforgettable memories from Markaz College. The session was ended by the vote of thanks given by

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Muhamed Al Ghazi, student of this batch. Total 22 batch members and 2 faculties attended the online gathering and it was a great pleasure for all the participants to interact with their friends and teachers.

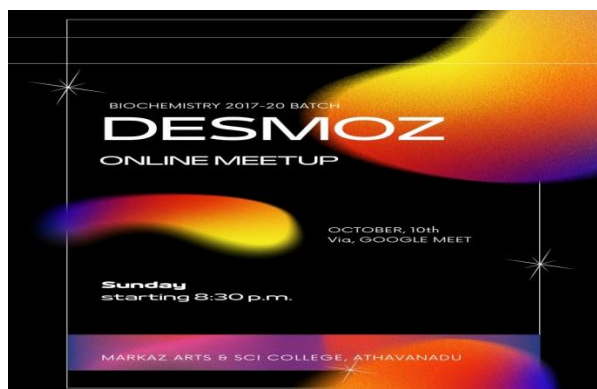


Figure 37 ; Poster of the programme



Figure 38 : Screen shot of the programme

EXTRA AND CO-CURRICULAR ACTIVITIES

➤ ONAM CELEBRATION

Fine arts club of Markaz Arts and Science College organized an online Onam 2021 competition. Department students participated in various competitions such as Onapattu, Mobile Photography, Onapattu Mashup, Reels Making competition, Kerala Sreeman Competition etc.. and bagged many prizes. Risha Fathima of second semester Biochemistry was the winner of name suggestion competition of Onam 2021. The name suggested by her was “Chinganilavu”. Second semester M.Sc. Biochemistry secured the first position in Onam celebration 2021.



Figure 39 ; Winner Poster of name suggestion competition of Onam 2021

MARKAZ ARTS AND SCIENCE COLLEGE, ATHAVANAD
FINE ARTS CLUB Organizing
ചിങ്ങനിലാവ്
ഓണം 2021-2022
RESULTS

Class	Students	Mobile	Painting	Malayalam	Kathakalasanam	Onapattu	Onapattu	Onapattu	Points	Rank	Total
1 st Sem B.Sc. Biochemistry	1	1	1	1	1	1	1	1	1	1	1
2 nd Sem B.Sc. Biochemistry	1	1	1	1	1	1	1	1	1	1	1
3 rd Sem B.Sc. Biochemistry	1	1	1	1	1	1	1	1	1	1	1
1 st Sem B.A. Functional English	1	1	1	1	1	1	1	1	1	1	1
2 nd Sem B.A. Functional English	1	1	1	1	1	1	1	1	1	1	1
1 st Sem B.A. Psychology	1	1	1	1	1	1	1	1	1	1	1
2 nd Sem B.A. Psychology	1	1	1	1	1	1	1	1	1	1	1
1 st Sem B.A. Microbiology	1	1	1	1	1	1	1	1	1	1	1
2 nd Sem B.A. Microbiology	1	1	1	1	1	1	1	1	1	1	1
1 st Sem B.A. BBA	1	1	1	1	1	1	1	1	1	1	1
2 nd Sem B.A. BBA	1	1	1	1	1	1	1	1	1	1	1
1 st Sem B.A. Physics	1	1	1	1	1	1	1	1	1	1	1
2 nd Sem B.A. Physics	1	1	1	1	1	1	1	1	1	1	1

CLASSWISE RESULTS
FIRST : 2nd SEMESTER, M.SC. BIOCHEMISTRY
SECOND: 2nd SEMESTER, B.SC. BIOCHEMISTRY
THIRD : 2nd SEMESTER, B.A. FUNCTIONAL ENGLISH

DEPARTMENT WISE POINTS

Department	Point	Place
Biochemistry	43	FIRST
Commerce	15	SECOND
Functional English	14	THIRD
Chemistry	8	
Botany	6	
Psychology	6	
Microbiology	5	
BBA	5	
Physics	5	

Figure 40 : Point distribution of onam competition 2021

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➤ NSS

NSS volunteers of second year B.Sc. Biochemistry attended a seven day camp “JHALAKAM –Open up & let the light shine through” from December 24 to 30 2021 at KMUP School, Karthala. The attended students are Sana, Hiba Sherin , Rilsha, Mohammed Munavvar & Sidharth.



Figure 41 : Brochure of NSS seven day camp



Figure 42 : Photos from NSS seven day camp 2021

The list of students selected for NSS from first year B.Sc. Biochemistry for the year 2021-22 camp are as follows; Fasma Shirin, Aslaha, Jahana Shereen, Suhaira, Fathimath Shamla, Jameela Sherin and Nasma Shamli.

➤ ARTS

Arts fest “THAKAJHAM” was conducted in the college on 22nd and 23rd March 2022. Many students from Biochemistry Department had participated in various onstage and offstage items and secured first, second and third positions. The Department of Biochemistry and Chemistry bagged third position in the fest.

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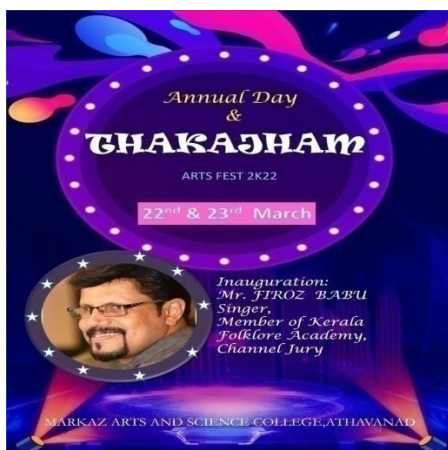


Figure 43 : Poster of Arts 2021-22



Figure 44: Inauguration ceremony of Arts 2021-22



Figure 45: Students and staffs of Department of Biochemistry and Chemistry with trophy of second position



Figure 46: Students performing in Arts 2021-22

➤ WOMENS EMPOWERMENT PROGRAMME

In the academic year 2021-22, Suroorjahan K.K (Assistant Professor, Dept. of Biochemistry) was as continued the teachers in charge of the Cell. Also, Ayisha Nihala, 3rd year B.Sc.Biochemistry, was selected as the President and Aysha Farsana, 2nd year B.Sc.Biochemistry as executive member of the cell.

Various programs were conducted by the cell and students and staffs from Department of Biochemistry participated in most of them. The important programmes conducted by women cell in the academic year 2021-22 was as follows:-

- Department of Women and Child Development, Government of Kerala, conducted 'Gender Awareness Program' in association with HM College of Science and Technology, Manjeri, Markaz Arts and Science College, Athavanad, and SNDP

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Yogam Sathabdi Smaraka College, Kunnappally on 09th August 2021 at 2.30 pm to 5.30 pm through Zoom Platform. The topic was presented by Jaya Thekkoott and she addressed the gathering on current scenario in the society on gender discrimination and how to bring parity among different genders. First year B.Sc. students from Department of Biochemistry participated the webinar.

- 5th semester B.Sc. Biochemistry students participated in a motivation class on “Exam Related Tensions” conducted by W.E.P on 15 September 2021. Mr. Abdul Latheef K.A., H.O.D., Department of Psychology led the class.
- Women Empowerment Cell in association with IQAC conducted a webinar on “REACH Certificate Courses” on 21-10-2021 through Google meet. The programme was addressed by Mrs. Midhuna Muralidharan, Trainer and Team Leader, REACH Finishing School, Kerala State Women Development Corporation. First year B.Sc. students from Department of Biochemistry participated in this induction program.
- Women Empowerment Cell, Markaz Arts and Science College, Athavanadu, in association with ICDS Projects, Kuttippuram Additional, organized a seminar on ‘Human Rights & Right to Information’, as part of International Human Rights Day, on 10th December 2021 at MMC hall, Markaz College. The Resource Person for the day was Mr. Rajan Kalam, Coordinator, National Right to Information Community. . First year B.Sc. students from Department of Biochemistry attended the seminar.
- Twelve students from first year B.Sc. Biochemistry were attended a training on “ paper pen and paper bag making” conducted by Women Empowerment Cell on 13th December 2021 at MMC Hall. Trainer for the day was Mr. Riyas Kunnakkatt, Life Skill Trainer and Body Builder Kerala Champion, who is a handicapped and winner of gold medal Kerala Para Power Lifting.
- One day workshop on ‘Women Safety- Self Defense For Womens’ by District Police, Malappuram in association with Women Empowerment Cell, Markaz Arts and Science College, Athavanadu, conducted on 11th January 2022. The workshop was carried out by three Master Trainers from District Police, Malappuram. Smt. K.C. Sini Mol, V.J. Sonia Meble and P.Gheetha led the training session. The workshop started with a demonstration of different kinds of unprovoked attacks and abuses, along with their corresponding defense mechanisms by the instructors. Lots of tricks and tips for an effective defense were shared with our students, which are very useful for women on lonely occasions.
- Three students from first year B.Sc. Biochemistry attended training on ‘FABRIC PAINTING AND LIQUID EMBROIDERY’ conducted by Women Empowerment Cell on 16th February 2022. Mrs. Rekha Anilkumar, Fecryl certified specialist, Fecryl Industries Pvt. Ltd., was the trainer and she took hands on training session of fabric painting and liquid embroidery.

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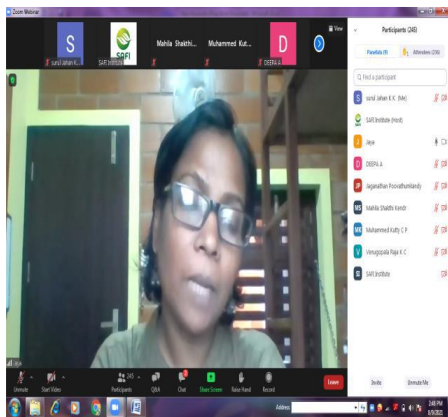


Figure 47: Gender Awareness Program



Figure 48: training on paper pen and paper bag making

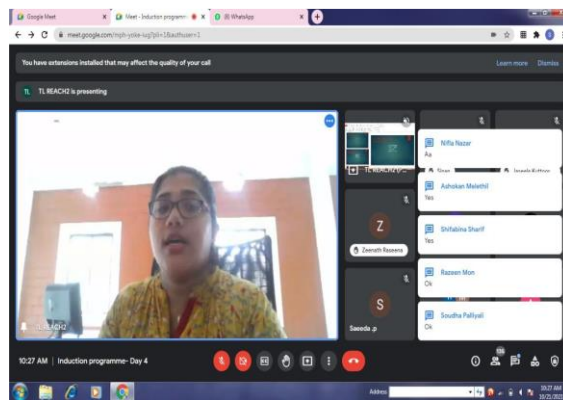


Figure 49: Screen shot of REACH certificate course program



Figure 50: photos of workshop on 'Women Safety- Self Defense For Womens'

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- As a part of Independence Day Celebration, PG Department of Commerce organized a Essay Writing Competition. Mohammed Al Ghazi of second semester M.Sc. Biochemistry secured first position in the Competition.



Figure 51 : Winners Poster of Essay Writing Competition

- As a part of breast feeding week, PAMTIC, Markaz Arts & Science College organized essay and poem writing competition. Mohammed Al Ghazi of second semester M.Sc. Biochemistry was the winner of both the competition.



Figure 52 : Winners Poster of Essay Writing and poem writing Competition

- Department of Psychology, Markaz Arts & Science College organized contests like Photography, Poster Making and Cartoon Drawing for Markaz students as a part of Suicide Prevention Day. Mohammed Al Ghazi of second semester M.Sc.

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Biochemistry was the winner of Cartoon Drawing competition (Theme : Support – The path to save lives).



Figure 53 : Winners Poster of suicide prevention day cartoon competition

- Lubna Shahanaz of final year B.Sc. Biochemistry secured first position in the poster making competition conducted by Department of Commerce on association with “World Consumer Day”.



Figure 54: Poster made by Lubna Shahanaz, Final year B.Sc. Biochemistry



Figure 55 : Lubna Shahanaz receiving prize of poster competition from Commerce Department.

➤ MURSHID MEMORIAL EXCELLENCE AWARD

This award is given to students who show his/her excellence in different field in this college. The competition involves various rounds and many students from different departments participated. Safeeda Nasrin of first year B.Sc. Biochemistry won fourth

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place in the competition. The award distribution was done on 1st April 2022 at Markaz Auditorium by Mr.Kurukkoli Moideen, MLA,Tirur.

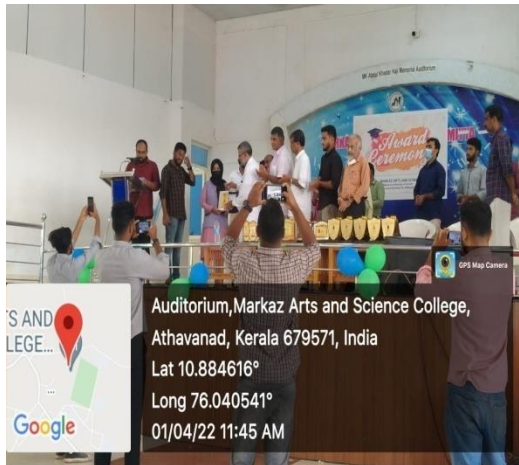


Figure 56 : Safeeda Nasrin Receiving award from Hon. Kurukkoli Moideen, MLA



Figure 57 : Hon. Kurukkoli Moideen, MLA. Inaugurating the function



Figure 58 : Poster of the winner



Figure 59 : Poster of the program

➤ PROFICIENCY AWARD DISTRIBUTION

Proficiency award was given to Shahina KM of final year UG and Fathima Thesni T of final year PG on the basis of their published Calicut University results, on 1st April 2022 at Markaz Auditorium by Mr.Kurukkoli Moideen, MLA,Tirur, along with excellency award ceremony .

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Figure 60 : Shahina KM receiving Proficiency award



Figure 61 : Fathima Thesni T receiving Proficiency award

➤ FOOD FEST

ED club of Markaz Arts and Science College organized a food fest “eet festijn” on 9th December 2021. All the classes of Biochemistry department participated in the event. They brought many homely food items and sold. First year B.Sc. Biochemistry won the prize for best Enterprise.



Figure 62 : Photos from food fest 2022



Figure 63 : Students, poster and trophy of best enterprise Pie O'La by First year B.Sc Biochemistry

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DETAILS OF MoU

Department of Biochemistry has signed a MoU with Safi Institute of Advanced Study (SIAS) in this academic year.

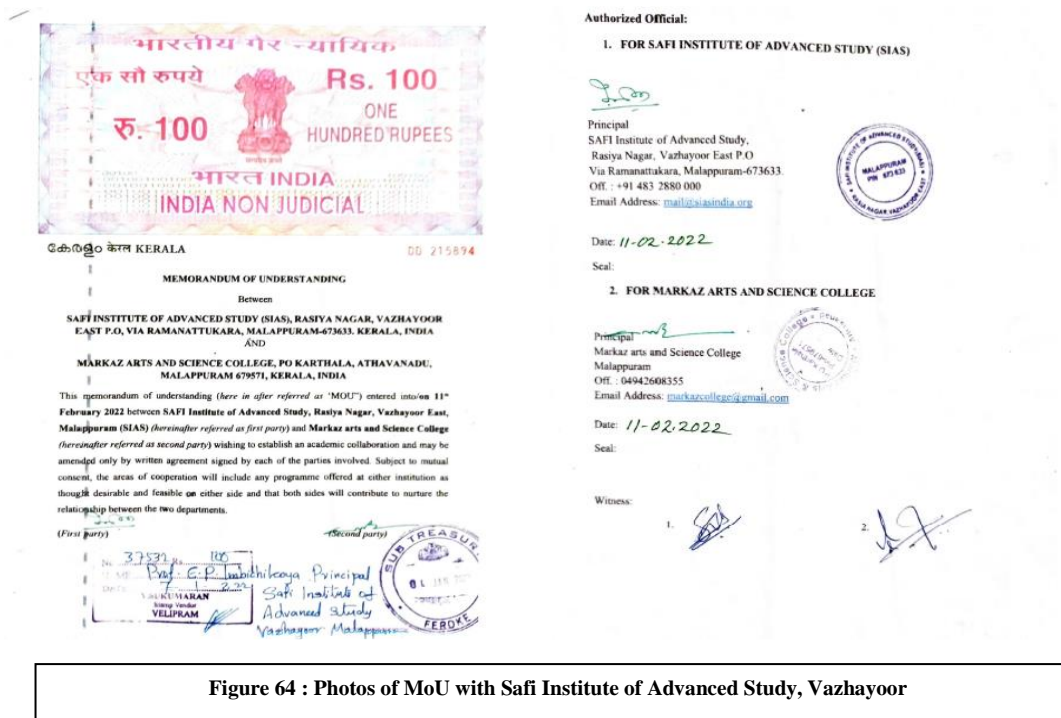


Figure 64 : Photos of MoU with Safi Institute of Advanced Study, Vazhayoor

DETAILS OF IV CONDUCTED

Department of Biochemistry in Association with Department of Microbiology, organized an Industrial visit to KARD Skill Academy, Vagamon, run by Kerala Association for Rural Development, on 30th March 2021 for second year Biochemistry and Microbiology students. The team entered the campus at 11.30 am, and explored the whole campus of KARD skill academy, followed by a Seminar on “Skill Enhancement” by Mr. Sajeer, Faculty, KARD Skill Academy. In addition Mr. Shajahan, Principal, KARD Skill Academy, gave a talk on ‘Career and Passion’ for our students. Interactions of the students of KARD Skill Academy with Markaz students were followed after the talk. After the visit, students went for sightseeing at Vagamon and Ramakkalmedu, Idukki.

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Figure 65 : Final year degree students in front of Horticulture Research Institute, Kodaikkanal

Details of Publications

Seena P, Department faculty got publication in the journal “Cell Biology and Biophysics”(June 2021). The title of the paper was “Thermally Oxidized Coconut Oil as Fat Source in High-Fat Diet Induces Hepatic Fibrosis in Diabetic Rat Model”.



Figure 66: faculty publication

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Details of farewell party for final year B.Sc. students

Farewell party was organized by junior students to the final year students on 2nd April 2022. The program was well organized by the students. The final year students shared their memories and they thanked their juniors for giving such a wonderful farewell party.



Figure 67: Farewell party for final years