



ANNUAL REPORT

DEPARTMENT OF MICROBIOLOGY

✉ markazmicrobiology@gmail.com

2018-2019



MARKAZ ARTS AND SCIENCE COLLEGE, ATHAVANAD

(Affiliated to the University of Calicut)

✉ markazcollege@gmail.com

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1. DEPARTMENT PROFILE

The college was reopened on 12/06/2018. The department has 4 Faculty members and 1 lab attender. The department has 94-degree students in which there were 11 boys and 83 girls. The faculty members of the department participated in various seminars and FDP Programmes. The department of microbiology conducted various webinar, Certificate course and exhibition programme in this academic year and detailed report is given below.

STARTING OF THE ACADEMIC YEAR: **12th JUNE 2018**

ASSOCIATION SECRETARY: **FAIROOSA T**

PROGRAMME COORDINATOR: **SHAMLA A K**

2. FACULTIES

No.	NAMES	DUTIES	QUALIFICATION
1	MOHAMMED JASEEL A	HoD	MSc
2	SHAMLA A K	Assistant Professor	MSc
3	DEEPA K S	Assistant Professor	MSc
4	JUMAILA.K. P	Assistant Professor (Part time)	MSc, NET
5	DIVYA	Lab attender	Plus two

3. STUDENTS STRENGTH

SI No.	CLASS	NUMBER OF BOYS	NUMBER OF GIRLS	OTHERS	TOTAL
1	FINAL YEAR	3	30	-	33
2	SECOND YEAR	6	29	-	35
3	FIRST YEAR	2	24	-	26
4	TOTAL	11	83	-	94

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4. INDUCTION PROGRAMME

On 18/06/2018 to 22/06/2018 Department of microbiology in associated with IQAC organised an induction programme for first year microbiology students to give an introduction about BSc microbiology course, syllabus and all courses come under BSc Microbiology and scope of the programme. It helps the students to get a brief knowledge about microbiology courses and its various branches. There was a general session for all 1st year degree students for an hour every day.

5. EXTERNAL EXAMINATION RESULT

BATCH	NUMBER OF STUDENTS APPEARED	NUMBER OF STUDENTS PASSED	PERCENTAGE
2015-2018	19	19	100

6. EXTENSION PROGRAMME:

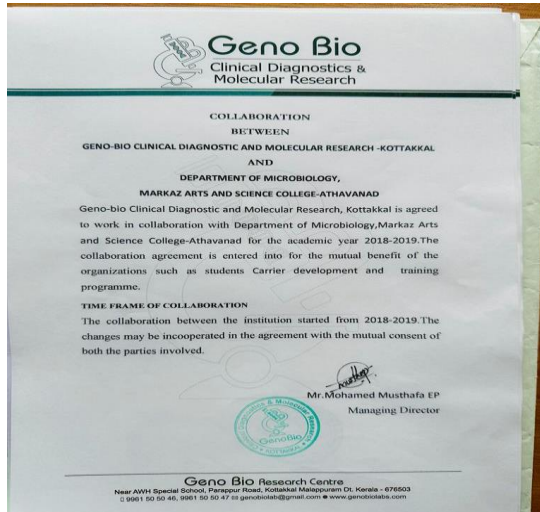
Department of Microbiology conducted **2-day water analysis** programme regarding flood by collecting **100 water samples** from nearby flood affected areas, on **05th & 06th September 2018**. This programme was inaugurated by Dr. C.P. Mohamed Kutty, Principal of Markaz Arts & Science college, Athavanad



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MoU/ COLLABERATION:

1. A Collaboration was signed between Department of microbiology and Geno Bio clinical diagnostics and molecular research Centre kottakkal for the year 2018-19 on 8th November 2018. The purpose of this agreement is to promote academic and research cooperation between the two. The collaboration Agreement is entered into for the mutual benefit of organizations such as student career development and training programme.



✚ 11/12/2018- **MUSTHAFA E P** training on the standard analytical procedures applied in microbiological field



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2. A Memorandum of understanding (MOU) was signed between Department of microbiology and Arown Academy perinthalmanna for the year 2018-19. The purpose of this agreement is to promote academic and research cooperation between the two. The collaboration Agreement is entered into for the mutual benefit of organizations such as student career development and training programme. and to get student skill training and enhance employability.



CAREER GUIDANCE CLASS

- ✚ On 04th December 2018 Department of Microbiology organized a seminar on “Emerging carrier” for Final year UG students. 22 students were participated
- ✚ The session started with the inaugural session, Dr. C P Mohamed Kutty Principal of the college inaugurated the session. The session by the chief guest **Mr. Pasha shukkoor** from Arown academy Perinthalmanna was very useful.
- ✚ He speaks about various aspects of Medical coding it is a health profession to analyse clinical statements. The session was end up with the vote of thanks by fairyoosa.T

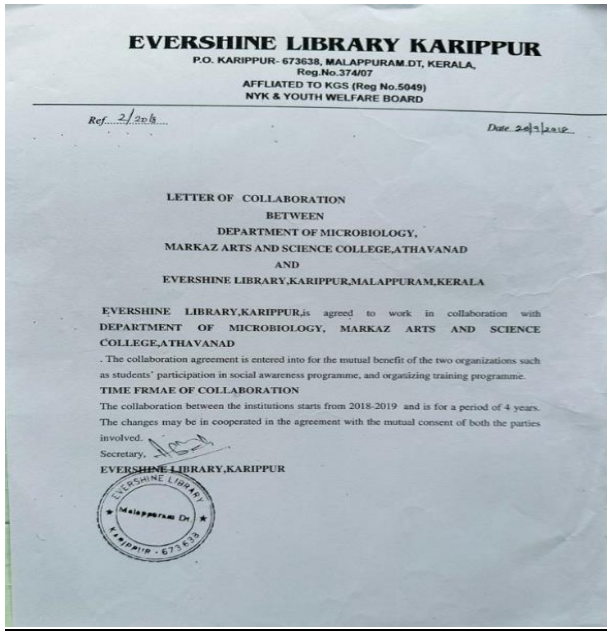
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3. A collaboration was signed between Department of microbiology and Evershine Library Karippur for the year 2018-19. The purpose of this agreement is to promote academic and research cooperation between the two. The collaboration Agreement is entered into for the mutual benefit of organizations

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such as student career development and training programme. and to get student skill training and enhance employability.



EXTENSION PROGRAM

3 days Environmental training and seminars was organised in Markaz Arts & Science College, Athavanad on **13th to 15th December 2018** by Department of Microbiology with support of **KSCSTE** and **Evershine Library**, Karippur, a recognized NGO on the theme **“Drinking water to the last person”**, which was inaugurated by **Dr. Abdul Rasheed.K.M**, Director, AMU, Malappuram.



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BEST PRACTICE:

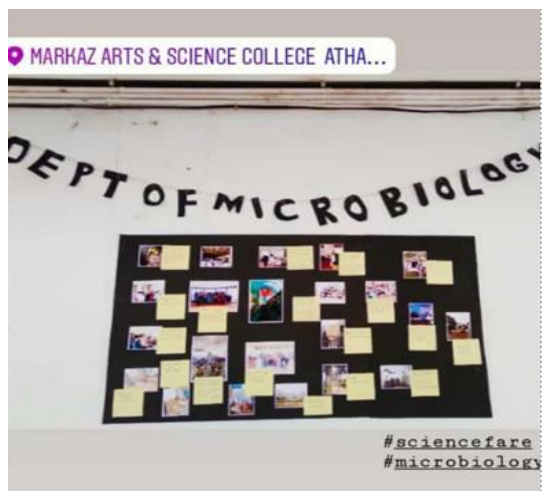
NEINVINS& MICROBIOLOGY SERVICE CLUB GROUP: The department of microbiology form a club on **4th September 2018** named “**Neinvins**”. The programme started with the inauguration of **Mr. Mohammed Jaseel A** (HOD department of microbiology). For this programme invited students from nearby colleges. Also formed what’s app group “**Microbiology Service club**” for sharing information related to Microbiology. The main objective of this group is sharing carrier related information for helping people those who are seeking job in microbiology field.



SCIENCE FARE

All science department of Markaz arts and Science College conducted **2 day science fare exhibition programme** on 10th November 2018 in associated with **world science day**. Students were invited from nearby schools for exploring the magical world of science. The programme was very successful, attractive and informative.

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Details of seminar attended by students during the year 2018-19

31st Kerala science Congress 2019

- Final year students from the department of Microbiology were participated in 31st Kerala science Congress held at Fatima National college, Kollam on 2nd and 3rd February 2019. Mrs Shamla. A.K (Asst. Professor of Microbiology) accompanied the students.



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PROJECT

Final year students from the department of Microbiology participated PCR and Gene sequencing based hands on training programme in various research laboratories as part of their dissertation from 14th to 24th January 2019.



STUDY TOUR, FIELD VISITS & INDUSTRIAL VISITS IN THE ACADEMIC YEAR 2018-2019

Students of Microbiology department visited **Krishi Vigyan Kendra & Kelpappaji memorial agricultural college, Tavanoor** on 30th June 2018.

- ✚ They visited Food processing units, Sterilization units, Agricultural tool museums, And Agricultural processing units
- ✚ Explore many industrial equipments for bulk food production

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2. Final year student of Department of Microbiology visited **Biotechnology Department of **Mysore University** on **29th November 2018****

- ✚ They got a class on how to take & manage the snake venom & its uses in medicine



3. Second year students of Microbiology Department visited **PASTEUR INSTITUTE OF INDIA, Coonor on **29th March 2019****

- ✚ They got a class on Pasteurisation and the vaccine production and its sterilisation
- ✚ Visited the Pasteur Museum and observe the ancient type of equipments used for the isolation and identification of microorganisms.

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ADD-ON COURSE 2018-2019

Department of microbiology offered an add on course of MICROBIOLOGICAL ANALYSIS OF SOIL (MB-CC-001) of 30 hours duration from 01 November 2018 to 12 December 2018.

94 students enrolled in the course and all students were passed the course. The course instructors were Mr Mohammed Jaseel A. and Mrs Deepa K.S. The importance of microbiological analysis of soil was taught to the students as an additional benefit to their on-going course. After completing this course students able to develop basic properties of soil, fertility of soil and test microbial analysis of soil.

CHARITY

Final year UG students of BSC MICROBIOLOGY conducted an event "samosa day" on 23rd August 2018. For the event students made samosa from home and sold them to other students and teachers in college for raising money. The collected amount spend for **Charity work**, in order to paint a nearby

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school, **AWH Special School, Nhangattiri**, where mentally challenged students are studying.



WOMEN EMPOWERMENT CELL 2018-19

Women Empowerment Cell (WEC) has been constituted to empower and safeguard the rights of female members; faculty, staff and students of college. The first meeting of women empowerment cell of the academic year 2018-2019 was held on 13/06/2018 in the conference hall. The main agenda of the meeting was the selection of executive members and to prepare the action plan. As per the suggestions from the students, **FAIROOSA T** from 3rd Microbiology was selected as the secretary of the cell. Ten executive members were also selected.

On 03-10-2018, a workshop was conducted to develop the craft skills of the students. The workshop was led by **FAHIMA NASRIN**, student of the 5th semester Microbiology. Students interested in craft making were participated in the programme.

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Fahima Nasrin, student from 5th semester Microbiology leading the workshop

The other programmes conducted by women cell includes: Health awareness class, Skill development programme, Entrepreneurship motivation class, Seminars on medicinal plants and women empowerment, Workshop on led bulb making and food fest

DEPARTMENT PTA MEETING

Semester wise department conducted total 5 PTA in this academic year

During the academic year 2018-19 department of microbiology conducted PTA meeting for 1st year 2nd year and final year students. Mainly intended to facilitate parental participation in a college also to evaluate students Internal mark and University semester exam result. It will help the parents to understand the academic status of their children.

SL.NO	PTA meeting held on	Semester/Year
1.	25/06/2018	Fifth semester
2.	26/06/2018	Third semester
3.	18/07/2018	First semester
4.	22/01/2019	Sixth semester
5.	24/01/2019	Fourth semester

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6	06/02/2019	Second semester
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ALUMNI :

On 08th June 2019(2013-2016) batch students conducted alumni meet at Markaz arts and science college-athavanad. Meeting was held at MMC -Seminar Hall. Mr. Muhammed Jaseel -A (HoD) delivered welcome note also introduce about the objectives of alumni meet up. Almost 20 students participated on the programme, they shared memories of their campus life. The programme ends up at 3.30pm. They planned to conduct any academic programme for their juniors.



ALUMNI MEET UP

SOFT SKILL ENHANCEMENT PROGRAMME: 2018-2019

Mrs. SHAMLA.A. K, Faculty of the Department of Microbiology trained the first year Microbiology students about the **WATER QUALITY MONITORING** on 13/10/2018. The programme was conducted at Microbiology lab and 24 students were participated. The participants acquired the basic knowledge about how to conduct experiments for checking water quality , what are the common microorganisms contaminate water and how to prevent the contamination.

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WATER QUALITY MONITORING Demonstration by Mrs. SHAMLA.A. K

ARTS 2018-2019:

Si. No	NAME OF STUDENT	CLASS	PRIZE	COMPETITION
1	FATHIMA IFRATH ALIKKAL	FIRST YEAR	SECOND	Western Group Song
2	FATHIMA IFRATH ALIKKAL	FIRST YEAR	THIRD	English skit
3	RIYA SASI U	FIRST YEAR	FIRST	Bharathanatyam
4	RIYA SASI U	FIRST YEAR	SECOND	Folk Dance
5	RIYA SASI U	FIRST YEAR	SECOND	Western Group Song
6	RIYA SASI U	FIRST YEAR	THIRD	English Skit
7	RIYA SASI U	FIRST YEAR	SECOND	Thiruvathira
8	RIYA SASI U	FIRST YEAR	SECOND	Margam kali
9	RIYA SASI U	FIRST YEAR	SECOND	Poem Writing-Malayalam
10	SHAHINA MOL K	FIRST YEAR	FIRST	Light Music
11	SHAHINA MOL K	FIRST YEAR	THIRD	Mappilappattu-Group
13	THASNEEM BANU	FIRST YEAR	THIRD	Mappilappattu-Group
14	FATHIMA NISANA	FIRST YEAR	THIRD	Arabic Extempore

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SPORTS 2018-19:

Si. No	NAME OF STUDENT	CLASS	PRIZE	COMPETITION
1	FATHIMA IFRATH ALIKKAL	FIRST YEAR	FIRST	200 Metre Running
2	FATHIMA IFRATH ALIKKAL	FIRST YEAR	FIRST	Relay-4*100
3	FATHIMA IFRATH ALIKKAL	FIRST YEAR	SECOND	Discuss throw
4	RIYA SASI U	FIRST YEAR	FIRST	Chess
5	RIYA SASI U	FIRST YEAR	THIRD	Running-200m
6	RIYA SASI U	FIRST YEAR	THIRD	Walking-1500m
7	RIYA SASI U	FIRST YEAR	FIRST	Relay-4*100