PG DEPARTMENT OF BIOCHEMISTRY	AN	NUAL REPORT
Markaz Arts and Science College, Athavar Karthala, Pin: 679571. Malappuram Dt., Kerala	nadu,	2018-2019

The college reopened after summer vacation on 7th June 2018.

STAFF AND STUDENTS

Biochemistry Department has 6 faculty members and one lab attender. Mrs. Seena P was the Head of the Department. Other faculties were Arifa P.P., Jaseela K.P., Thasleena K.K., Athulya C.J. and Dr. Sajith U (resigned on 1st November 2018). Abitha P.P. was the Lab attender.

The Department has 102 students on roll of which 89 are degree students, in which there were 13 boys and 76 girls and 13 are PG students (all girls).

NO	YEAR	NUMBER OF STUDENTS
1	FIRST YEAR DEGREE	25
2	SECOND YEAR DEGREE	36
3	THIRD YEAR DEGREE	28
4	FIRST YEAR PG	7
5	SECOND YEAR PG	6
	ΤΟΤ	AL 102

Table 1: students' details for the academic year 2018-2019

NAME OF FACULTY	DESIGNATION	QUALIFICATION
SEENA.P	Assistant professor & Head	M.Sc., M.Phil., NET
ARIFA.P.P	Assistant professor	M.Sc., NET
JASEELA.K.P	Assistant professor	M.Sc.
THASLEENA.K.K	Assistant professor	M.Sc.
ATHULYA C.J	Assistant professor	M.Sc.
Dr. SAJITH.U	Assistant professor	Ph.D
LAB	ATTENDER	ABITHA P.P.

Table 2: faculty details for the year 2018-19

ADVISORY DETAILS

In the academic year 2018-2019 Mrs.Jaseela KP was the advisor of first year UG, Mrs. Seena P was the advisor of second year UG and Mis.Thasleena KK was the advisor of third year B.Sc. Mrs.Arifa PP and Mis.Athulya CJ were assigned as advisors of second year and first year PG respectively

ACADEMIC RESULTS (UG &PG)

The Department has secured 100 % result for PG (2016-2018 batch). **Mubashira A** of PG batch bagged first position at Calicut University. This is a proud moment for Biochemistry Department because the first batch of PG itself secured 100% result with University top position.

The department has secured 62% result for Degree (2015-18 batch) (number of students appeared for the examination was 26 and number of students passed was 16)



Figure 1: Mubashira A (M.Sc. Biochemistry University topper)

DETAILS OF TRAINING PROGRAMMES ATTENDED BY STUDENTS

WORKSHOP ON MOLECULAR BARCODING AND BIOINFORMATICS

The students of first and second year M.Sc. Biochemistry attended two days workshop on 'MOLECULAR BARCODING AND BIOINFORMATICS' Organized by Amplicon Bio labs, park centre, KINFRA, Kakkancherry, Malappuram on 19th & 20th September 2018.

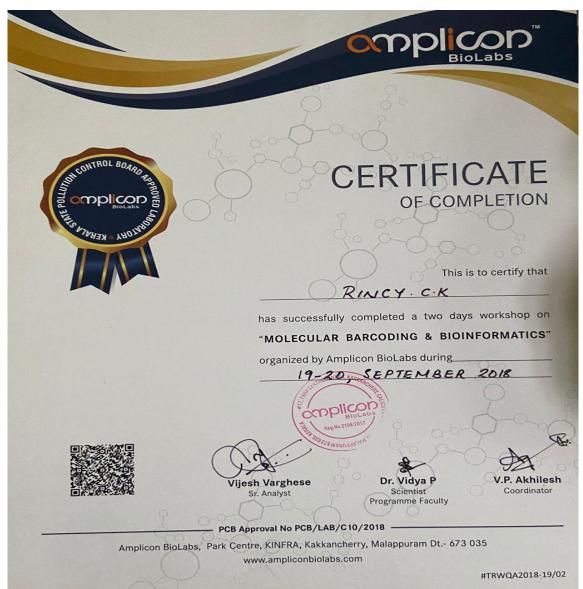


Figure 2: Copy of Certificate of workshop

DETAILS OF INDUSTRAL VISITS

 Department of Biochemistry made study tour for final degree students to Mysore University, Mysore on 29th November 2018. They visited Biochemistry Department and they had given a lecture about snake venom and NETosis. The students also visited the Biochemistry laboratory and got an opportunity to get familiarize with many sophisticated instruments like UV-VIS Spectrophotometer, Ultracentrifuge, Atomic Absorption Spectrophotometer, Flame photometer etc..... 2) Another study tour was made for second year Biochemistry to KFRI, Peechi, Thrissur on 8th March 2019. They visited Biochemistry lab, museum, soil museum, botanical garden etc. They had given a lecture on Gas Liquid Chromatography. Athulya and Jaseela, faculties of Biochemistry accompanied the students.



Figure 3: IV-Mysore University, Mysore



Figure 4: IV- KFRI, Peechi, Thrissur

DETAILS OF PROGRAMMES CONDUCTED BY DEPARTMENT

 A program was organized on 20th December 2018 at MMC Hall for the inauguration of Biochemistry Association, "REPLICON". Welcome speech was delivered by Head of the

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Department, Mrs. Seena P. The session was addressed by honorable Principal Dr. CP Mohammed Kutty. Association was inaugurated by **Dr. SHONIMA GOVINDAN**, Assistant professor, Department of Biochemistry, **SAFI institute of Advanced Studies**, **Vazhayoor.** Vote of thanks was given by Lamiya Haneefa P, Association Secretary.

2) Biochemistry Department conducted a seminar on the topic "The Brain Story" on December 20, 2018, Thursday. Resource person was Dr. SHONIMA GOVINDAN, Assistant professor, Department of Biochemistry, SAFI institute of Advanced Studies, Vazhayoor. The resource person gave a beautiful lecture about how experiences shape our brain. She explained about positive stress, tolerable stress and toxic stress with simple and funny examples which made our students to reach a new world. She also gave an idea about the brains executive functions and self regulation skills. There was an interactive session after the talk and many students raised their queries. A token of appreciation was handed over to the resource person



Figure 5: Association inauguration & Talk on 'The Brain Story'

EXTENSION ACTIVITY

Science exhibition was conducted on 27th & 28th Feb 2018 by Science Departments including Biochemistry. The session was inaugurated by Principal Dr. CP Mohammed Kutty. Students from outside schools and colleges came to watch the exhibition. Biochemistry department students demonstrated various experiments. Different working and still models were made and kept in the exhibition hall.



Figure 6: Science Exhibition -Inauguration



Figure 7: Experiment demonstration by students



Figure 6: outside students visiting exhibition

ACHIEVEMENTS

Suroor Jahan K.K., M.Sc. Biochemistry 2016-2018 batch has published her project entitled "Effect of Pro-oxidants In Erythrocyte Membrane Protein Patterns In Electrophoretogram" in Journal of Biochemistry International on 6th November 2018.

5(1): 17-22, 2018 ISSN: 2454-4760	•
EFFECT OF PRO-OXIDAN	NTS IN ERVTHROCVTE
MEMBRANE PROT	
ELECTROPHO	
ELECTROPHO	REIOGRAM
MATHEW JOHN ¹⁺ , K. K. SUROOR JAHA ¹ Jubilee Mission Medical College & Research ² Department of Biochemistry, Jubilee Mission Medical C India	n Institute, Thrissur, 680005, Kerala, India. College & Research Institute, Thrissur, 680005, Kerala,
AUTHORS' CON This work was carried out in collaboration between all a statistical analysis, wrote the protocol and wrote the fi managed the analyses of the study. Author EM managed the final ma	uthors. Author MJ designed the study, performed the first draft of the manuscript. Authors KKSJ and RS the literature searches. All authors read and approved
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Received: 11th August 2018	
Accepted: 30th October 2018	
Published: 6th November 2018	Short Research Article
ABSTR	ACT

NSS DETAILS

The students of second year B.Sc. Biochemistry selected as volunteers for the seven day camp were Shaheer, Mohamed Al Ghazi, Nizamudheen, Hana, Snaha, Shahanas, Mohamed Sawfan, Rasha and Nahma. The seven day camp "NANMA MARAM" was conducted at HALP SCHOOL, Valyakunnu, from 22nd December to 28th December 2018.

The following students of second year B.Sc. Biochemistry – Fathima Shahina KK, Fathima Shehala KK and Shamila Sherin C were selected as volunteers for the NSS camp of academic year 2019-2020.

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Figure 8: NSS programme brochure



Figure 9:NSS Students

ALUMNI ASSOCIATION PROGRAMME DETAILS

Alumni Association programs were conducted for different pass out batches during the academic year 2018-2019. An alumni meet of 2013-16 batch students were organized at Nila Park, Kuttipuram on 18th August 2018. About 10 students and Department faculties Mrs.Seena and Mrs.Arifa attended the function. 2014-17 batch students organized a meet up at Markaz Campus on 22nd September 2018. Total 18 batch members and 2 faculties attended the gathering. 2012-2015 Biochemistry batch students conducted an alumni meet-up on 12th February 2019 Tuesday at Markaz Campus. About 8 students participated in the programme. Mrs.Arifa and Mrs.Jumaila (faculty of Microbiology Department) joined in the session. Both the teachers were their mentors

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during their academic year. Students of 2015-2018 Biochemistry batch conducted a get together on 15thMarch 2019, Friday at student Hiba House. 15 students attended the programme.





Figure 10: Alumni photos

ARTS FEST DETAILS

In the arts fest 2018-2019 Department of Biochemistry along with Microbiology department bagged second position at college level. Students of the department participated in various events - both off stage & onstage and secured first, second and third positions. Athira K Raj has participated in C zone .



Figure 11: Arts programme photos

WOMEN EMPOWERMENT PROGRAMME DETAILS

Aswathy, Assistant Professor, Department of English, was the in charge of WEC. The entire girl students of Biochemistry department were members of WEC. Various programmes were organized by WEC in the academic year 2018-19 and almost all the girl students of biochemistry department participated in the sessions. The highlighted programmes were "Health Awareness Class" on 29-07-2018 by .Dr.Jineesh, BHMS Valanchery, "Skill Development Programme" on 03-10-2018, seminar on "Medicinal Plants" on 27-10-2018 by Mr.Mahesh, Dept. of Agriculture,Kotakal AryaVaidyashala etc..



Figure 12: WEC programmes attended by Biochemistry students

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