

# DEPARTMENT OF CHEMISTRY: ANNUAL REPORT 2018-19

The academic year 2018-19 of the department started with the commencement of classes for the III and V semester of the BSc programme, on 4<sup>th</sup> June 2018. The department officially started the I semester of the BSc programme on 2<sup>nd</sup> July 2018.

This annual report will provide an overview of the department's activities during the past year, including academic achievements, research accomplishments, and outreach efforts. This year we organized several programmes, including seminars, invited talks, exhibitions etc. We invited scholars from other institutions to share their research and exchange ideas with our faculty and students. The department also engaged with the local community through various outreach efforts.

## I. STUDENT STRENGTH

Programme	Year	Student Strength	Total
BSc Chemistry	I Year	26	91
	II Year	41	
	III Year	24	
Total			91

## II. UNIVERSITY EXAMINATION RESULTS

Programme	No of students attended the examination	No of students passed	Pass %
Bsc Chemistry	21	12	57%

## III. FACULTY DETAILS

Sl.No:	Name	Designation	Qualification
1	Rekha V Nair	Assistant professor	M Sc
2	Sonima V	Assistant professor	MSc , JRF
3	Muhammed Shafi	Assistant professor	MSc

## IV. DEPARTMENTAL ACTIVITIES

### 1. CHEMISTRY ASSOCIATION INAUGURATION (VIBRANIUM)

Chemistry association inauguration was inaugurated by Mr. Mujeeb T (HSST WOHSS Pinangode, MT Vlog Youtube ) on 08/03/2019. He is a motivational speaker who has an ability to touch the hearts through his videos which contains effective parenting, mind relaxation techniques, career guidance and personality development videos. The talk was very interest for the students.

## 2. DISCUSSION ON THE FUTURE OF CHEMISTRY

On July 17th, 2018, the Department of Chemistry conducted a discussion on the future of chemistry, inviting Dr. Ahamed Athahur and Nafiya Thasleen, research scholar from Jamia Millia Islamia in New Delhi, to share their insights with 40 participating students. The discussion covered a range of topics, including the latest research developments in chemistry, the impact of chemistry on society, and potential career opportunities in the field. Attendees engaged in a lively conversation, exchanging ideas and thoughts on the future direction of chemistry and its potential to address global challenges such as climate change and health issues. Overall, the discussion provided a valuable opportunity for students to gain a deeper understanding of the dynamic field of chemistry and its importance in shaping the future of our world.

## 3. RAHEENA MEMORIAL

On 16/09/2018 in memorance of the demised soul Ms. Raheena. An invited talk by DYSP Ajith Kumar on road safety rule .

## 4. ONAM CELEBRATION

Onam celebration was held on the last 17<sup>th</sup> august , with several department programmes along with onam feast and games.



## 5. CHRISTMAS CELEBRATION

Christmas celebration was held on 21<sup>st</sup> December 2018 with cake cutting and carols within department students.



## 6. FAREWELL

Farewell was given to the final year students on 30<sup>th</sup> April 2019 , on behalf of junior students and the department.



## V. BRIDGE COURSE

Bridge course was conducted during the year 2018-19 on the topic introduction to general chemistry which includes introduction to physical chemistry, introduction to inorganic chemistry and introduction to organic chemistry, in which a total number of 26 students took part in it.

## VI. CERTIFICATE COURSES

Certificate course was conducted during the year 2018-19 on the topic environmental chemistry in which a total number of 20 students took part in it.

## VII. ACHIEVEMENTS OF STUDENTS

- A large fraction of the students of the department are members of NSS and Bhoomithrasena Club.
- The Students of the chemistry department actively participated in the F zone competition and bagged many prizes.

Sl. No	Name	Year	Achievement
1.	Sneha Sasikumar	2019	Rangoli -1 <sup>st</sup> prize - F-zone 4 <sup>th</sup> interzone Flower carpet- 2 <sup>nd</sup> F-zone Participated in interzone Long jump- 1 <sup>st</sup> College level Discus throw -1 <sup>st</sup> College level. Short put-3 <sup>rd</sup> College level
2.	Akhina Prasad	2019	Participated in F zone

## VIII. EXTENSION ACTIVITIES

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## IX. BEST PRACTICES

- Proper mentoring system.
- Proper remedial coaching was provided.
- Special guidance and career coaching was provided.

**X. FEEDBACK SYSTEM**

Feedback was collected from the students after completion of each semester along with opinions.

**XI. TRANSPARENCY IN CONTINUOUS INTERNAL EXAMINATION**

Continuous evaluation on internal exam , viva , seminar and assignment. Conducted three internal exam for each papers and the best two is taken for the internal mark. If grievance persisted viva or another exam is conducted for the improvement.

**XII. MENTORING SYSTEM**

The students were divided among teachers for proper identification of problems , issues about studies , knowledge of family situations and mental conditions etc.

<b>SI. No</b>	<b>Mentor</b>	<b>No. Of Mentees</b>
1	Rekha V Nair	31
2	Sonima V	30
3	Muhammed Shafi	30

**XIII. PROJECT DETAILS**

<b>WMO ARTS AND SCIENCE COLLEGE MUTTIL DEPARTMENT OF CHEMISTRY PROJECT DETAILS OF THE STUDENTS FOR THE ACADEMIC YEAR 2016-19</b>			
<b>NAME</b>	<b>REGISTER NUMBER</b>	<b>TOPIC</b>	<b>GUIDE</b>
AKHINA PRASAD	WMAQSCH002	<b>ACIDITY IN DIFFERENT SAMPLE OF TEA LEAVES AND STUDY OF CAFFEINE EXTRACT</b>	<b>MUHAMMED SHAFI</b>
NOUFIRA T	WMAQSCH008		
JASNA P A	WMAQSCH018		
FATHIMA SOUFI	WMAQSCH013		
JAISHAL RIFHATH A K	WMAQSCH016		
ANAGHA SANKAR K	WMAQSCH003	<b>EFFECT OF HEAT ON VITAMIN -C IN TOMATOES</b>	<b>NIDISHA</b>
AISWARYA C K	WMAQSCH009		
NOORA	WMAQSCH009		
SAISREE T P	WMAQSCH023		

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BARSHA SHARMILA K	WMAQSCH012	<b>PREPARATION OF BIODIESEL FROM USED VEGETABLE OIL</b>	REKHA
RAHUL K J	WMAQSCH021		
FATHIMA FARSA C A	WMAQSCH006		
SHAHEEL V K	WMAQSCH001		
AYSHA	WMAQSCH005		
ASWIN GOVIND	WMAQSCH011	<b>GREEN SYNTHESIS OF SILVER NANOPARTICLES</b>	NIDISHA
FAYZA BAHANA	WMAQSCH014		
SAIKRISHNAN C V	WMAQSCH022		
JASMINE P K	WMAQSCH017		
NISHITHA V K	WMAQSCH020	<b>CASEINE EXTRACTION FROM MILK</b>	MUHAMMED SHAFI
ANJITHA P T	WMAQSCH004		
ASIM N	WMAQSCH010		
NISHANA NASRIN	WMAQSCH019		
FEMI RESNI K P	WMAQSCH015		

