

# **CHEMISTRY ASSOCIATION REPORT**

**2019-20**

**CHEMCLAVE**

**(2019-20)**

**DEPARTMENT OF CHEMISTRY**

**BASELIUS COLLEGE**

**KOTTAYAM**

**Submitted by**

**Shetal Elizabeth Thomas**

Teacher In Charge  
Department of Chemistry  
Baselius College  
Kottayam

# CERTIFICATE

**Certified that this is a genuine report of the Chemistry Association, Baselius College Kottayam of the academic year 2019-2020**

Association Secretary:

1. Sanjai Sunil

Shetal Elizabeth Thomas

Teacher in Charge

2. Anjali S

**Dr. Suma Bino Thomas**

Head of the Department

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# **CHEMISTRY ASSOCIATION 2019-2020**

## **ANNUAL REPORT**

Chemistry plays an important role in the development of the modern world. Its contributions are rich and varied in almost all areas of life. But it is a double-edged sword. If not used with caution and care, the boon can be turned into a bane. Every Chemistry student before leaving the college should be made aware of this great truth, which may not be included in the regular syllabus. Here is the role of Chemistry association. It gives a platform for Chemistry students to learn the wider truths and realities through seminars, workshops and lectures by eminent scientists. It also gives an opportunity for the students of all levels to live as a community, which is absolutely necessary for their total growth. It gives us immense satisfaction that this year also Chemistry Association could function successfully.

The activities of the association started in the month of June 2019 and Prof Shetal Elizabeth Thomas was nominated as the teacher incharge of chemistry Association for the year 2019 - 2020. The students of the chemistry department selected Mr Sanjai Sunil and Anjali S of final year B.Sc Chemistry as the association secretaries.

### **Office bearers of the association 2019- 2020**

President: Dr. Suma Bino Thomas, HOD Chemistry department

Teacher in charge: Prof. Shetal Elizabeth Thomas

Secretaries: Sanjai Sunil and Anjali S of D3 Chemistry

### **Association Representatives**

Sharon Saji and Smoonie Anna Varghese of M2 chemistry

Ramesh P S and Anjali Prem Prakash of M1 chemistry

Aadarsh Reji and Parvati Babu of D2 chemistry

Satya M K and Freddy Thomas of D1 chemistry

## Shri Joseph Chandy Foundation scholarship distribution Ceremony

The activities of the association commenced with the Sri Joseph Chandy Foundation Scholarship distribution Ceremony. The function was conducted at Ms. Mammen Mappillai hall on 17th June 2019. Shri Joseph Chandy was the chief guest of the function and Dr. Biju Thomas presided over the function. Based on merit cum means selected students from various colleges were awarded the scholarship. Five Students of the department were awarded the scholarship.



## Curies conclave



The main objective of Curies Conclave is to create curiosity among students and also to understand the beauty of science and technology. Curies conclave was held to provide students with the opportunity to conduct PowerPoint presentations and video

presentations on relevant topics especially those related to chemistry. Four episodes were carried out at the department level.

### **Episode 1**

Riya Rachel Abraham of D2 chemistry conducted a PowerPoint presentation on the topic Chemistry in everyday life on 8th August 2019. The importance of chemistry in various spheres of human life was explained. Later Deephi Mariam Geevarghese of D3 chemistry did a video presentation on the life of Marie Curie. The eventful life of Madame Curie leading to the

discovery of Radioactivity was depicted



### **Episode 2**

The second episode of curies series was held on 30th August 2019 at A P Mani Media Centre. Jomy Jose Philip of D3 chemistry conducted a PowerPoint presentation on Gadgil Committee Report in the wake of the devastating landslides that ravaged the state of Kerala. The session proved to be a thought provoking one and emphasized the need to protect Ecologically sensitive areas of the state.

Later Anuja Sara Reji of D2 chemistry recited a Malayalam poetry penned by Aishwarya Devi M.A of D3 chemistry. The poem was about human intervention in nature and the havoc it has caused.



മുകുമാം ആ നിശയിൽ തളിരിട്ടൊരാ പുതൂനാമ്പ് അന്ത്യവിശ്രമം കൊള്ളുകയാണ് അതെ മണ്ണിൽ... മന്യുജാ നിൻ അത്യാർത്തിതൻ ഫലമോ അന്യുഭവിച്ചിടുമ്പു നാം പ്രകൃതിതൻ പ്രതികാരമായി... നാലുചുവരിന് പുറമെ ആർത്തുലച്ചു പെയ്തൊരാ പേമാരി ഭൂമിതൻ തിക്ഷണമം കണ്ണുനീരേന്ന് അറിയാൻ നി എന്തെ വൈകി...

ഉറ്റവരും പാർപ്പിടവും മൺമറഞ്ഞു ദിക് അറിയാതെ തേങ്ങുകയാണ് ഇന്നും നീ.. വർണ്ണ മത ഭേതമന്യേ മന്യുജാ നീ ഇന്ന് ഒരു കുര കിഴിൻ മയങ്ങുമ്പോൾ അകമ്പു നിൻ അയിത്ത ഭാവങ്ങളും... പ്രകൃതി തൻ ലാവണ്യമം നിള വഴി മാറി ഒഴുകിയപ്പോൾ അറിഞ്ഞുവോ നി നിൻ മൃഗതയ്യും.. അണ്ണുകെട്ടി ബന്ധിച്ച പുഴകൾതൻ രോദനം പ്രളയമെന്ന മാരിയായി മാറിയപ്പോൾ.. പാണ് വേണി പിടഞ്ഞു നിൻ ജീവനും.. ഇലകൾ തൻ ദലമർമം ഇന്നി ഭൂമിതൻ ഗർജനനുമായി മാറിയപ്പോൾ അടർന്നു വീണിരുന്നു ഓരോ പുൽത്തൊഴുതും കൃഷിനിലങ്ങൾ നീകത്തി നി മർത്യാ മദ്യ പർമും പടുത്തു ഉയർത്തിയപ്പോൾ തീർന്നുവോ നിൻ പട്ടിണിയും...

ഇനി ഒരു പ്രളയത്തിനായി കാത്തിരിക്കണമോ മലയാളമേ?? കൈകോർത്തിടാനമ്മൾതൻ ജനനിയെ വിണ്ടെടുക്കാൻ.. തെന്തൊരുമിച്ഛ നേരിടാം നമുക്കി പ്രളയകെടുത്തിയെ.

-Aiswarya dev/ M A



**Episode 3**

Kaveri Sabu of M1 chemistry conducted a PowerPoint presentation on the topic Phosphor LED on 30th September 2019 at Mrs. Mammen Mappilla Hall. Later Malavika G of M1 chemistry made a video presentation on Discovery of Oxygen.





#### **Episode 4**

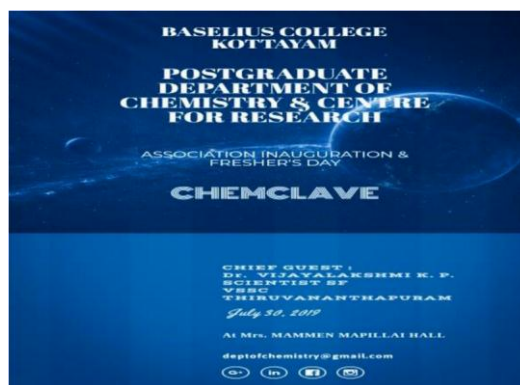
Dr. Archana S Nair, guest lecturer of the department of chemistry, Baselius College, conducted a PowerPoint presentation on the topic lanyard on 11th October 2019 at A P media centre. Jiffin Varghese Oommen of D1 Chemistry made a video presentation on the topic radioactivity. Information regarding the discovery of radioactivity and the subsequent importance it has acquired in today's world was presented.







### **Chemistry Association inauguration and fresher's day**



The official inauguration of the Chemistry Association Chemclave 2019 was held on 30th August 2019 at Mammen Mappila hall. The association activities were formally inaugurated by Dr. Vijayalakshmi K.P senior scientist VSSC. She delivered an interesting talk on the various Satellite launching vehicles. The latest launch of communication satellite GSAT-6A on

29<sup>th</sup> March 2018 and how television signals are broadcasted with the help of satellite's were briefed in the session.

Freshers day celebration meant to welcome the juniors of the department was later conducted. The freshers wholeheartedly participated in the game sessions and made the event really memorable.



### **Teachers' day celebration**

Teachers play a pivotal role in the betterment of society. To honour the teachers of the department chemistry Association organised Teachers Day celebration on 5th september2019.Akshay T Jacob of M1 chemistry delivered a speech on the important role teachers play in students' life.



### **Onam Celebration**

Onam was celebrated on 7th September 2019 with traditional fervour. Students of the department participated in programs like Sreeman and Sreemati, Tug of war, Uriyadi organised by the college. A game session was organised for the Students and winners were given gifts

### **Ozone day celebration**

As part of ozone day celebration, the Chemistry Association organised Poster making competition on 16 September 2019 for the students of the chemistry department to create awareness among students regarding the depletion of the Ozone layer and the need to protect it. Nandana Sailesh of D2 Chemistry bagged the first prize in the competition.



### **Visit to VSSC Trivandrum**



VSSC is the major space research centre of ISRO. A study tour was organised by the association on 10<sup>th</sup> October 2019 for the students of D3, M2 and M1 chemistry to VSSC, Trivandrum in connection with the World Space Week Celebrations. Students were gifted the rare opportunity of witnessing the launching of a rocket. Later students visited Veli a famous tourist spot in the district of Trivandrum.



### Vertical Garden

A vertical Garden was set up near the chemistry department as part of the chemistry Association project for the year 2019-2020 on 25th November 2019. A disregarded space was transformed into an aesthetically pleasing vertical Garden. Vertical garden help to reduce footprint by filtering pollutants and carbon dioxide out of air.



### **National Integration week**

National Integration week is observed from 19th November to 25th November every year with a view to foster and reinforce the spirit of communal harmony and National integration. The students of D3 chemistry performed a musical drama which emphasized the importance of secularism and anti-communalism and conveyed the message that religions are just different manifestations of one all-pervasive diversity.



### **Seminar on evolution of Modern Periodic Table**

The year 2019 is the 150th anniversary of the Periodic Table of Chemical Elements and has therefore been proclaimed the “International Year of the Periodic Table of Chemical Elements (IYPT2019)” by the United Nations General Assembly and UNESCO. In connection with the IYPT a seminar on “Evolution of Modern Periodic Table” was conducted on 28/11/2019 by Dr Anantha Padmanabhan, Former HOD, Maharajas College, Ernakulam.



## Chemcon 2019



Two day Regional Conference Chemcon 2019 on Statistical Thermodynamics and recent advances in Chemistry was conducted for post graduate students on 18<sup>TH</sup> and 19<sup>TH</sup> December 2019. It gave opportunity for the students, teachers and research scholars to get acquainted with the basic principles of Statistical thermodynamics and exposure to recent advances in different fields of Chemistry. Dr.S.Sugunan, Professor, CUSAT, Kerala, Dr.Leena.R, Assistant Professor, CUSAT, Kerala, Dr.Elizabeth Kuruvilla, Assistant Professor, St.Teresa's College, Ernakulam, Dr.Remalakshmy Poduval, Assistant Professor, D.B College, Thalayolaparambu and Dr. Simi Pushpan, Assistant Professor, U.C College, Aluva were the

resource persons.







## BASE CHEM SPELLISTRY COMPETITION

The poster for the Base Chem Spellistry 2020 competition features a green and blue color scheme. At the top, it identifies the host as Basilius College, Kottayam, affiliated with Mahatma Gandhi University and NAAC Re-accredited 3A Grade with CGPA 3.11. The main title 'BASE CHEM SPELLISTRY 2020' is prominently displayed in a stylized font. The event is scheduled for 10th January 2020. The prizes are listed as follows: 1st Prize (Rs 3000/-), 2nd Prize (Rs 1500/-), and 3rd Prize (Rs 1000/-). The competition is organized by the Department of Chemistry and Centre for Research at Basilius College, Kottayam. The venue is Dr. A.P. Mani Media Centre, and the time is 10.00 AM. A QR code is provided for registration, and contact details for further information are listed at the bottom right.

**BASELIUS COLLEGE, KOTTAYAM**  
Affiliated to Mahatma Gandhi University  
NAAC REACCREDITED 3A GRADE WITH CGPA 3.11

**BASE CHEM SPELLISTRY 2020**

**10th JANUARY 2020**

INTERCOLLEGIATE AND INTERSCHOOL CHEM SPELL COMPETITION

ORGANISED BY  
DEPARTMENT OF CHEMISTRY AND CENTRE FOR RESEARCH  
BASELIUS COLLEGE, KOTTAYAM

**1st PRIZE** Rs 3000/-  
Sponsored by  
Dr. Krishna Ramachandran  
(B.Sc. 2004-2007 Batch)

**2nd PRIZE** Rs 1500/-

**3rd PRIZE** Rs 1000/-

**VENUE :**  
Dr.A.P.Mani Media Centre

**TIME :**  
10.00 AM

General Instructions given inside  
Scan QR CODE to Register

For more details:  
Email:  
basechemspellistry2020@gmail.com  
Contact Numbers:  
9744720426, 8921875238, 7907038266

Base chem Spellistry 2K19 an Interschool and Inter Collegiate Chem Spell competition was organised by the association on 10th January 2020. The competition aimed at improving students vocabulary and knowledge in chemistry and thereby forging them into a wordsmith. Students from various colleges and schools participated in the competition. A total of 9 teams participated in the Interschool Chem spell competition and 8 teams in Intercollegiate ChemsPELL competition.





## Chem Fest

Chem Fest 2019 proved to be the most enjoyable event of the year. Students of the entire department were provided the opportunity to showcase their talents. Dance programmes, solo

and duet songs were performed by the students.







### Valedictory function and farewell to D3 Students-Kenova 2K19.

The activities of the association concluded with the valedictory Function and Farewell held on 27th February 2020.



The chemistry association honoured the rank holder of the department Archana Vijayakumar in the valedictory function. She secured fourth position in the M.G University Examination of 2019.

Farewell is the occasion to celebrate all the memories that have been made together in the college life. In the farewell function KENOVA 2K19 students bid farewell to the senior most students of the department and our Non-Teaching staff Sri Jose Thomas. There were numerous dance and music performances. Many games were also organised to pep up the events.

## ACHIEVEMENTS OF STUDENTS

### 1. UNIVERSITY ARTS FESTIVAL –ARTICLE-14

**ARTICLE 14**  
MG University Youth  
Festival

Students who secured  
"A" Grade for their  
performances



Gayathri Jayaraj  
D2 Chemistry  
Kavithaparayanam  
light music vocal  
female, classical  
music vocal female



Parvathy Babu  
D2 Chemistry  
Bharathanatyam  
Mohiniyattam

- Gayathri Jayaraj of D2 Chemistry won second Prize in Group song and A grade in Kavithaparayanam, Light Music and Classical Music.
- Paravathy Babu of D1 Chemistry won A Grade in Bharatanatyam and Mohiniyattam.
- Aleena Antony of D2 Chemistry won A Grade in Group Song.
- Gayathri K S of D3 Chemistry won A Grade in Group Song.

## 2. INTER-COLLEGIATE COMPETITIONS

- Kailas Nath of D3 Chemistry participated in Vox-POP. 3 organised by department of English, B.C M College, Kottayam
- Devika D Deepak, Liya Ann Jacob and R Rajasree of D1 Chemistry Participated in Poster Designing competition organised by S.N College, Kumarakom.
- Deepthi Mariyam Geevarghese and Ashna Bijosh of D3 Won third position in Treasure Hunt competition conducted by Department of Chemistry, Assumption College, Changanassery.
- Anjali S and Neha P of D3 Chemistry Participated in Quiz competition conducted by Department of Chemistry, Assumption College, Changanassery.
- Anjali S and Malavika G of M2 Chemistry Won third prize in Intercollegiate Quiz competition conducted by St. Mary's College, Manarcaud .
- Jiffin Varghese Ommen and Anjitha Prasad of D1 Chemistry and Ashna Bijosh and Neha Anna Ipe of D3 Chemistry Participated in Sciensta 2020-All Kerala Intercollegiate Science

Quiz Competition held at St Xavier's College, Vaikom.

## 2. COLLEGE ARTS FESTIVAL-SAMYUGA-2020

- Mefin Sabu of M2 Chemistry won Third prize in Malayalam Elocution and second prize in Hindi Short Story Writing.
- Gayathri Jayaraj of D2 Chemistry won 1<sup>st</sup> prize in Kavithaparayanam, Light Music, Classical Music and Malayalam Recitation.
- Nevin Alexander of D1 Chemistry won 1<sup>st</sup> Prize in English Recitation.
- Gayathri.K.S of D3 Chemistry won 1<sup>st</sup> prize in Sanskrit Recitation.
- Treesa Satheesh of D2 Chemistry won 3<sup>rd</sup> prize in Malayalam Essay writing.
- Aleen Antony of D2 Chemistry won 2<sup>nd</sup> prize in Light Music.
- Niranjana V Ranjan of D2 Chemistry won 3<sup>rd</sup> prize in Story Writing (Mal) and Monoact.
- Paravathy Babu of D1 Chemistry won 2<sup>nd</sup> prize in Bharathanatyam and First prize in Mohiniyattam.

- Nandana Sailesh of D2 Chemistry won 3<sup>rd</sup> prize in Pencil Drawing Competition.
- Joel Mathew Jacob of D2 Chemistry won B Grade in Wind Instrument Eastern and First Prize in Wind Instrument Western.
- Rahul Rajappan of D3 Chemistry won 1<sup>st</sup> prize in Mr. Skeleton Competition.
- Kailas Nath S of D3 Chemistry won 3<sup>rd</sup> prize in Mr.Skeleton Competition.

#### **4. INTER DEPARTMENTAL COMPETITIONS**

- Riya Racheal Abraham won Third Prize in Novel Reading Competition Organized by department of Malayalam in connection with “Vayanavaram”.
- Nandana Sailesh of D2 Chemistry participated in Poster designing competition conducted by Maths Department on pi approximation day
- Hridya Suresh of D2 Chemistry participated in Poster designing competition conducted by Maths Department on Pi Approximation day
- Mefin Sabu of M2 Chemistry participated and won second prize in Elocution Competition conducted by Vocational B. Com Department.
- Sreekumar K of D3 Chemistry won First Prize in Uriyadi Competition in connection with Onam Celebration.
- Akshay T Jacob of M2 Chemistry and Jeethu George of M1 Chemistry participated in Kerala Sreeman and Kerala Sreemathi competition.
- Deepthi Mariam Geevarghese of D3 Chemistry and Riya Racheal Abraham of D2 Chemistry participated in Debate Competition organized by Department of Politics in connection with Constitution Day.
- Riya Racheal Abraham of D2 Chemistry and Anjitha Prasad of D1 Chemistry Won third prize in Interdepartmental Debate Competition organized by Department of Commerce on 19/12/2019.
- Neha Anna Ipe of D3 Chemistry won first prize in Christmas Card Making Competition organized by Department of Vocational B,Com.





**#interdepartment #Kabadi  
#Runners up #CHEMISTRY 🥳❤️**



**Chemistry Association won Third Prize in Onappattu Competition**

## CONCLUSION

The activities of our association, **Chemclave 2019 – '20** was done with maximum effort and co-operation of all the students, teachers and non-teaching members of the department. We were able to coordinate different programmes of our association righteously to the best of our ability and hope we can do better in the coming years.

We thank almighty for the blessings in our association activities.

*Thank  
you*