

ALCHEMI

DEPARTMENT OF CHEMISTRY

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ST. ALOYSIUS' COLLEGE

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EDATHUA, ALAPPUZHA DIST, KERALA - 689573, INDIA
(Affiliated to Mahatma Gandhi University, Kottayam)



THE BIENNIAL NEWSLETTER AND SILVER JUBILEE SOUVENIR

ALOYSIAN CHEMISTRY INFORMATICS

ALCHEMI 2018-2020



MANAGER'S MESSAGE



I am delighted that the Department of Chemistry is bringing forth the first issue of newsletter 'Alchemi' in connection with 25 years of fruitful service. I would like to put merit on the great effort put in by the department to prepare in print a souvenir of the major events during the Silver Jubilee year of its inception.

With prayerful regards.

Fr. Mathew Chooravadi
(Manager)

GREETINGS



I am so relished to learn that the Department of Chemistry is publishing the Newsletter 'Alchemi' as part of its Silver Jubilee celebration. On this occasion, I congratulate the faculty and the students of the department for their mettle and unity in making this happen and wish them greater heights in the future.

Fr. John Manakkunnel
Manager (2014-2019)

PRINCIPAL'S MESSAGE



I am extremely happy to put pen to paper a note of appreciation that the Department of chemistry is bringing forth its maiden newsletter designated 'Alchemi', as a memoir of its Silver Jubilee celebrations. I congratulate the team chemistry comprising the HOD, faculty and students for the exemplary spirit of togetherness in turning the jubilee year into an eventful one replete with a cavalcade of colourful and noteworthy activities. I hope the department could scale greater heights in the years to come through its sterling performance. May I also take this opportunity to assure you my wholehearted support for the amalgamated growth of the department, both physical and academic.

Dr. Jochan Joseph
Principal

GREETINGS



The academic year 2018-19 was eventful for the Department of Chemistry as it marked the Silver Jubilee of its inception. I congratulate the staff and students of the department for proving their mettle in celebrating the Jubilee in all its grandeur in the presence of veteran scientists and noted academicians. Hope the colourful pages of this Newsletter be an instrument of encouragement and inspiration to scale greater heights in its strive for academic excellence.

Dr. Saban K.V
Principal (2015-2019)

ABOUT THE DEPARTMENT

Since the inception of the college in 1965, chemistry had been a subject of study for the Pre-degree students. B. Sc course in Pure Chemistry (Model-I) with Environmental Chemistry as the elective paper and with Physics and Mathematics as subsidiaries was started in 1993 with a sanctioned strength of 20 students. The department offers complementary courses to B.Sc Physics (Model-I) and B.Sc Zoology (Model-II) students. The department also offers open course to the students of other streams. A well equipped laboratory for conducting UG practicals was set up in 1995. The laboratory can accommodate 32 students. It offers facilities like Flame photometer, Sartorius Electronic Balance, Heating Stirrers, Distillation Apparatus, Water Testing Facilities etc.

In addition to the 900 volumes of chemistry textbooks available in the General Library, the department has about 100 books for immediate reference by students. There are four endowments instituted by former faculty members and well wishers for the best students in the chemistry stream. So far twelve teachers have completed their meritorious service in the department.

Prof. P. T. Thomas was our founder HOD. He served the department during the period 1966-1998. He took much pains and put in much efforts to establish the well equipped laboratory. Prof. A.M. Joseph served the department during the period 1968-2000. He was the HOD during 1998-2000. He was called to eternal rest on 17-4-2006. We fondly cherish his everlasting memories and remember him always in our prayers. Prof. Gracema Mathew rendered her valuable service during the period 1969-2002 and was the HOD during 2000-2002. Prof. George P George served the department meritoriously during the period 1974-2004 and was the HOD during 2002-2004. It was during his tenure that Ms. Saino Hanna Varghese secured the University 1st Rank in B.Sc

Chemistry Examinations. Prof. Daisy Joseph rendered her valuable services in the department during the period 1975-2006 and was the HOD during 2004-2006. Prof. Mary K.V served the department during 1981-2010. Her selfless service will be cherished for long. Prof. Mollykutty Francis served the department during the period 1979-2011 and served as the HOD during 2006-2011. We remember her valuable services with gratitude. Prof. Marykutty Joseph rendered her commendable services during the period 1981-2011. Lt. Cdr. Varghese Antony served the department during the period 1981-2013 and was the HOD during 2011-2013. He was the Associate Naval NCC Officer of the college. The series of cycle expedition rallies led by him for several years to various locations in the states of Tamilnadu, Karnataka etc was a new experience to Naval NCC cadets. Prof. Joboy Mathew served the department with utmost dedication during the period 1982-2014. Prof. Philomina Joseph rendered her dedicated and flawless service during the period 1982-2015 and was our HOD during 2013-2015. She served as the principal in charge of the college for a short tenure in 2015. Prof. Mathew Gregory served the department with the fullest of his capacity in his modest style and disposition during the period 1995-2020 and was the HOD during 2015-2020. He was the Vice-principal of the college in the year 2019-2020. During his tenure he did a commendable work by establishing the full fledged Kuttanad Heritage Museum. It is an ever time credit to the department.

We have 4 faculty members and 56 students in our department this academic year.

The glorious journey of the department which had its humble beginning in 1993 continues its efforts to achieve the zenith of its everlasting growth.

Vice-Principal's Message

The year 2019 marked the Silver Jubilee anniversary of the Department of Chemistry. To commemorate this in a special way the newsletter team is launching a special edition. Twenty five years is not a short period in the history of the Department especially it being the initial phase. This newsletter encapsulates the activities of the Department in the Jubilee year in a unique manner. Hearty congratulations to Prof. Mathew Gregory, Head and other faculties of the Department of Chemistry for the wonderful celebration of the Silver Jubilee and releasing of the newsletter.



Prof. Jerome P.V

MESSAGE



We are elated at publishing our biennial Newsletter 'ALCHEMI' (Aloysian Chemistry Informatics) for the period 2018-20. As it is our maiden attempt, chances are there for creeping in some inadvertent imperfections. We took utmost care to give them no chance to enter into. The Department of chemistry had its inception in 1993 consequent upon the introduction of B.Sc. Chemistry. Albeit the smallest department in terms of student strength and faculty strength, it has left no stone unturned to reap achievements and not to allow it to go behind. As we all know, Chemistry deals with the might of the smallest, the atom. The department has always been in the forefront –though without much sound-to uphold the very ideals laid down by the great founders of the institution. We do remember with gratitude all those great people who were instrumental in the establishment of this great institution. We also remember with gratitude all the former HODs, Faculty and Laboratory Assistants of the department-the great architects who juxtaposed and cemented the bricks with ingenuity, care and precision to give it a solid base and shape. May I take this opportunity to congratulate them with immense reverence for their dedication.

I am privileged, to be at the helm of affairs of the department in its silver jubilee year to steer it following in the footsteps of my great predecessors. With a bit trepidation we, the faculty and students of the department, sat together to ponder over the matter and to make a decision on the various modalities of the celebrations. We were unanimous with all our mettle garnered to celebrate the jubilee in all its pomp and show. All students were in high spirits and promised their full support and co-operation. It reminded me of the famous adage "Together we stand, divided we fall." We were quite aware of the huge monetary outlay and the hard work required. But nothing

could dampen our spirits. We boldly charted the plan and went ahead, humbly seeking His blessings.

The Silver Jubilee was celebrated with a myriad of spectacular programs. The Hon'ble Vice Chancellor of the Mahatma Gandhi University, Dr. Sabu Thomas, a renowned Polymer and Nano scientist of international acclaim, inaugurated the celebrations auspiciously.

A plethora of noteworthy programs were conducted with a host of veteran academics and Alumni, which added colour and grandeur to the jubilee year. The jubilee year was truly an annus mirabilis for the department and it was no wonder but the fruit of our esprit de corps. The valedictory function of the jubilee was inaugurated by Dr. C T Aravindkumar, the Hon'ble Pro-Vice Chancellor of the Mahatma Gandhi University. The pages of the Newsletter bring us to the vignette of all the activities.

Aristotle observes, "An unexamined life is not worth living". Apart from simple jubilation, the Jubilee is truly a time for introspection too. Let us subject ourselves to a meaningful examination. Let us not sit upon our laurels complacently. We are not to be chained by the past. We have got a greater obligation towards the future. We, now have many promises to keep, and miles to go before we sleep. I will be failing in my duty if I do not acknowledge the sincere and valuable help rendered by everyone, particularly the Managers, the then Principal Dr. Saban K.V, the present Principal Dr. Jochan Joseph, Faculty of the college, Alumni, our well-wishers, benefactors, Chief Editor Mr. Jaimin George, members of the editorial board and our vibrant students. I will be quite ungrateful if I do not express my sincere thanks to our beloved manager Rev. Fr. Mathew Chooravady for placing me in the post of Vice-Principal of the college in 2019. Wish all the stakeholders and readers nice time ahead.

THANK YOU ALL !!!

Prof. Mathew Gregory
Head of the Department

INAUGURATION OF SILVER JUBILEE CELEBRATIONS



The Silver Jubilee celebration of the Department of Chemistry was formally inaugurated on 28 November 2018 by Dr. Sabu Thomas, Hon'ble Vice Chancellor of Mahatma Gandhi University, Kottayam. Dr. Sabu Thomas FRCS, DSC(UL, France), DSC(UBS France) is the Honorary Director of International and Inter-University Centre for Nano Science and Nano Technology, M.G University, Kottayam. His erudite lecture on 'Recent Trends in Nano Science and Nano Technology' inspired both the faculty and students to a great extent. Principal, Dr. Saban K.V, presided over the function and extended his wholehearted support to all the academic activities of the department. Prof. Mathew Gregory, HOD, welcomed the gathering. Prof. Jerome P. V (Vice Principal), Prof. George P George (Former HOD) and Ms. Theresa Mary Sabu (Alumnus) delivered the felicitatory remarks.

The auspicious occasion was also chosen to felicitate Ms. Andria Noronha who secured the 1st rank in B.Sc Mathematics of MG University. Prof. Kochuthresiamma Joseph, HOD, Department of Mathematics introduced Andria Noronha who was presented with a memento and cash award by Dr. Sabu Thomas. Tiji Thomas, student representative

from the Department of Mathematics proposed the vote of thanks.



IYPT ERUDITE LECTURE AND ALL KERALA INTERCOLLEGIATE QUIZ COMPETITION



To commemorate the international year of Periodic Table and centenary year of IUPAC, Department of Chemistry organised an erudite lecture and periodic table quiz competition on 15 January 2019. Prof. S Sivadas, Emeritus Fellow, Kerala State Council for Science, Technology and Environment (KSCSTE) inaugurated the event. He is a renowned science speaker and author of more than 100 books with special emphasis on child science and literature. He is a recipient of numerous awards at the national and state levels. During the session he



delivered an inspiring lecture in extenso on the chronology leading to the development of the modern periodic table. The session was presided over by the principal Dr. Saban K.V. Prof. Mathew Gregory, HOD, welcomed the dignitaries and the contestants. Students from 28 colleges, belonging to universities across Kerala, participated in the IYPT lecture and quiz competition. Mr. Jaimin George was the quiz master. Five teams were selected for the finals, which consisted of 7 diverse and interesting rounds. The heated and exciting finals led the NSS Hindu College to bagging the first prize, Assumption College came runner up and Amritha Institute of Arts and Science, Amruthapuri, Kollam came second runner up. Winners were awarded certificates and cash prizes worth rupees 10,000. It is a matter of great pride for our department, as we responded quickly to the announcement by the IUPAC, first in the state, to host the periodic table quiz.

INAUGURATION OF CHEMISTRY ASSOCIATION



The activities of the Chemistry association during the academic year 2018-19 was inaugurated on 10 October 2018 by Dr. P. V Sasi, senior faculty, Institute of Integrated Programmes and Research in Basic Science(IIRBS), Mahatma Gandhi University, Kottayam. Prof. Mathew Gregory, HOD, introduced the honourable premiers. Dr. Anu Augustine, President of the association presided over the meeting and her address emphasised the role of students in transforming the society. Principal Dr. Saban K.V expressed his greetings and unveiled the logo of Silver Jubilee celebrations.

After the inaugural session, Dr. P.V Sasi delivered a capacity building lecture on the topic 'Chirality -An Overview' which was highly informative to the faculty and the students. Dr. Sasi also talked about the evolution and historical background that led to the development of chemistry as



a central science. The session progressed in a comprehensive manner with the active participation of students. After the session there was an informal session in which he familiarised the students with the educational system and the entrance examination pattern in IIRBS and other premier institutes in India and abroad. The event concluded with a vote of thanks by Mr. Thomaskutty Tom, student representative.



THE LOGO FIGURES..

THE COLLEGE LOGO: ST. ALOYSIUS COLLEGE, EDATHUA

ROUND BOTTOM FLASK: DEPARTMENT OF CHEMISTRY AS A DISCIPLINE

ARGENTUM: LATIN WORD FOR SILVER WHICH SIGNIFIES THE SILVER JUBILEE

1993 : YEAR OF INCEPTION OF B.Sc CHEMISTRY

2018 : YEAR OF COMPLETION OF 25 YEARS

GREEN LIQUID IN THE R.B FLASK: SYMBOLISES GREEN CHEMISTRY.

IT IS A TESTIMONY OF OUR COMMITMENT TO THE ENVIRONMENT

BUBBLES: SYMBOLISE TRANSFORMATION - THE ULTIMATE AIM OF EDUCATION

REGIONAL SEMINAR ON 'CAREER PERSPECTIVES IN CHEMISTRY'

A seminar was conducted on 19 November, 2018 to give the students a deep insight into the career perspectives in chemistry. The seminar was led by Dr. Ajith James Jose, Assistant Professor, SB College, Changanassery. Prof. Mathew Gregory, HOD, welcomed the chief guest. The seminar provided ample information to the students about the job opportunities for science graduate students at large and B.Sc chemistry graduates in particular. The seminar provided sufficient knowledge about the premier institutes in India and abroad for research and jobs.



OBSERVANCE OF ASTEROID DAY

The department observed International Asteroid day on 30 June, 2018. Dr. Jochan Joseph, HOD, Department of Physics was the chief guest. He familiarised the students with the solar system, especially about the 'Asteroid Belt' existing between the Mars and Jupiter. The session was conducted exclusively for the third year chemistry students.



ANTI DRUG DAY

Our department observed International Anti Drug Day on 26 June, 2018. Dr. Shibu George, HOD, Department of Zoology was the chief guest. He familiarised the students with the ill-effects and after-effects of the drug abuse. He also mentioned different classes of drugs and its physiological impacts on human body.



Poster making competition was held for the students to create awareness on drug abuse. Cash prizes were distributed to the winners.



ENVIRONMENT DAY CELEBRATIONS



World Environment Day was observed with elegance by the Chemistry association on 5 June, 2018. Principal Dr. Saban K V was the chief guest. He emphasised the need to preserve the bio-diversity of our environment and exhorted the students to carry out research and devise means to get rid of plastic wastes and become protagonists of the noble cause of environment protection. Saplings of medicinal plants like ginger, aloe vera, turmeric etc. were also planted during the occasion. The day also witnessed the inauguration of the beautifully decorated display board in front of the department. The display board was erected mainly for the purpose of exhibiting news, thoughts, posters related to important days and information's regarding the main events during the Silver Jubilee year. Dr. Anu Augustine, President of Chemistry association emphasised the role of students in transforming the society.

Dr. Anu Augustine, President of Chemistry association emphasised the role of students in transforming the society.



HONOURING DR. SIMMI JOSEPH, ACADEMICIAN AND DIRECTOR



Our department organised a special programme to honour our proud alumnus, Dr. Simmy Joseph, on 17 January 2019. Prof. Mathew Gregory, HOD, welcomed the chief guest. Principal, Dr. Saban K V presided over the meeting and honoured Dr. Simmy by draping him with a Ponnada. In his nice eloquence Dr. Saban K V pronounced Simmy's outstanding achievements in varied fields of academics, film, politics and social activities. It was followed by Dr. Simmy's a keynote address. He spoke nostalgically about his experiences in our college as a student of our department and as the chairman of the college. In spite of his active involvement in all the extra-curricular activities of the college, he scored the highest marks in B.Sc Chemistry. Thereafter he perused his higher studies in the prestigious Jawaharlal Nehru University, New Delhi. After post-graduation he opted for research and was awarded Ph.D from JNU itself in 2010. During his studies at JNU he was very active and an all rounder in cultural and politics on campus. During 2007-09 he was the president of JNU state NSUI unit and during the same period he was the ex-officio AICC member. In 2010 he took initiative to form 'People's Initiative', a social organization which focussed on research and volunteer activities. In 2009, he

authored the 'Art of Satyagraha'. During 2012-14, he undertook a research project on 'Mappila Malayalam' with ICSSR. In 2012 he directed a documentary movie (Title :Nadi Oru Punyamanu, Krishi Oru Varamanu) on Kuttanadu. In 2013, he set up initiative films in Delhi to make movies on socially relevant themes. During 2016-18, he was a post doctoral fellow in JNU working on the topic 'Language, meaning and existence : A Comparative Study of Buddhism and Mimamsa'. In 2020 he directed the film 'Anyra', a Hindi and Marathi film(Topic: Human Trafficking) starring Atul Kulkarni, Raima Sen, Prathanesh Parab and Bhushan Pradhan. Recently, in 2021, he was awarded the prestigious Rajiv Gandhi National Excellence Award for his contributions in the fields of Film Direction, Script Writing, Politics and Social Activities. In his inspiring talk, Dr. Simmi explained the significance of inter-disciplinary courses, mixed and open courses for science and arts students in various Indian and foreign universities. All the students listened ardently to the words of Dr. Simmi throughout his talk. Rev. Fr. Varghese Edachethra (college Bursar), Dr. Jochan Joseph, HOD, Department of Physics and Prof. Kochuthresiamma Joseph, HOD, Department of Mathematics felicitated Dr. Simmi Joseph.

GANDHI JAYANTI

The Department of Chemistry commemorated Gandhi Jayanti on 2 October, 2018. Prof. Lane Joy, Assistant Professor, Department of Economics, gave a talk about the importance of Gandhian ideologies in the present social, economic and political scenario. The talk helped the students to imbibe the importance of Gandhian ideals. Dr. Anu Augustine, President of the Chemistry Association presided over the function.



TEACHERS' DAY CELEBRATIONS

Teachers' day was celebrated on 5 September. All students of the Chemistry association visited the principal and teachers of all departments and paid their tributes solemnly with bouquets and greeting cards.



KERALA QUIZ

To mark the day of 'Keralappiravi' an intra-departmental quiz competition was conducted under the auspices of the department on 31 October, 2018. The quiz chiefly focussed on the social, cultural and political aspects of Kerala. Four teams participated in the competition. Mr. Jaimin George and Ms. Aneena Lal were the quiz masters. The team consisting of Thomaskutty Tom and Pooja M Nair won the first prize and team consisting of Anakha M.S and Aiswarya Krishnan turned out to be the runner up. The programme aided with visual technology really helped the students to create awareness of the history and culture of Kerala. it was an ever-memorable experience to the students.



ONAM CELEBRATIONS

In the college level Onam celebrations, our students actively participated in the Pookkalam, Maveli Mannan contest and Onappattu competitions. In the department level celebrations, our students arranged several programmes and enjoyed the fun and frolic enthusiastically. Prof. Mathew Gregory, HOD, gave the Onam message and all of us enjoyed a sumptuous Onasadya. It is very worth to mention here that each and every item in the grand meal was brought by the students from their homes and was really an occasion to taste the culinary skills with a homely and motherly touch.



CHRISTMAS CELEBRATIONS

The staff and students of the Chemistry department actively took part in the college level Christmas celebrations. We actively took part in the star making, Christmas card making and crib making competitions conducted by the Catholic Students Movement (CSM) unit of the college. We won the third prize in the crib making competition. Our Santa put steps to the tune of the music team of the department and sang together the joy of Christmas with gaiety and enthusiasm. Prof. Mathew Gregory, HOD, gave the Christmas message during the department level celebrations and all the students shared and relished the yummy Christmas cake enjoying the music of Christmas hymns.



Dec 20, 2019 13:09



CERTIFICATE COURSE IN WATER ANALYSIS

St. Aloysius' College is situated in Kuttanadu Taluk of Alappuzha District in Kerala State. Kuttanadu, the rice bowl of Kerala is the God's own country. It is an agrarian region and has a vast expanse of water bodies and the means and life of the common folk is related to the water quality of these surrounding water bodies. These water bodies are really a boon for paddy cultivation, tourism, fish and duck farming but at the same time a bane because of excessive pollution. Taking into consideration our obligation to the society around, the stakeholders of the institution, Department of Chemistry started a certificate course in Water Analysis: 'Monitoring of Water Quality in Kuttanad'. The course mainly focuses on the

qualitative determination of various water quality parameters such as PH, Alkalinity, Hardness, Chloride, Iron and Phosphate contents. The course is mainly intended for the final year undergraduate students of chemistry. The duration of the course is 30 hours, comprising 10 hours of theory, 15 hours of practical and 5 hours of group project. The formal inauguration of the certificate course was held on 15 March, 2019 by Prof. Jerome P.V, College Vice Principal. Prof. Mathew Gregory (HOD) and Dr. Anu Augustine (Course Co-ordinator) addressed the gathering. The course was successfully completed with 20 students during 2018-19 and 15 in 2019- 2020. Certificates were awarded to them.

CULTIVATION OF APTITUDE IN BASIC SCIENCE (CABS)



A lecture series was initiated by the department with the support of IQAC of the college in connection with the Silver Jubilee celebrations of the department. It was decided to conduct the lecture every year in order to strengthen the foundations of the basic science among the graduate students and also to the students at the school level. The lectures also aim at introducing the students to renowned scholars working both at national and international level.

The maiden lecture of the CABS was conducted on 25 November, 2019 in the college seminar hall. The invited resource person was Mr. Vidyanand Vijayakumar, formerly Research Associate, Julich Research Centre, Germany- one of the largest in-

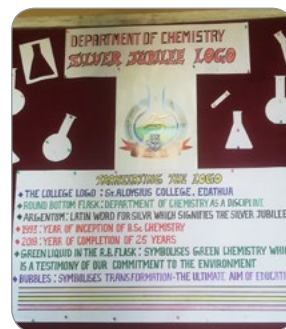


terdisciplinary research centres in Europe- where he worked on lithium ion batteries. At present, he is, Senior Research Fellow, National Chemical Laboratory, Pune, Maharashtra. Vidyanand Vijayakumar spoke on 'Lithium ion batteries-history and future perspectives', one of the hot topics of the 21st century science which received recent attention by winning the Nobel Prize in Chemistry in 2020. Dr. Jochan Joseph, Principal, gave the keynote address and Dr. Anu Augustine, Association President, presided over the function. The lecture was comprehensive and informative. An interactive session was also held after the lecture which was highly fruitful to the students.

CHEMISTRY CORNER

Since the heart of every department is its students, we offer them a variety of opportunities and resources for their benefits. As “A picture is worth a hundred words”, a bulletin board was set up in the ‘Chemistry Corner’ right in front of the laboratory, with the intention to express and share the ideas of students. Prof. Mathew Gregory, the eminent art-

ist of the department contributed significantly and persuaded students to competitively participate in presenting the board with meaningful quotes and relevant, beautiful pictures on occasions like Gandhi Jayanthi, Christmas and New Year celebrations, Teachers’ day, Environmental day etc. It was really an enchanting experience for the students.



SILVER JUBILEE VALEDICTORY CELEBRATION



The Silver Jubilee valedictory celebration of the department was held on 14 January, 2020. The programme was inaugurated by Dr. C.T Aravindakumar, Hon'ble Pro-Vice Chancellor of M.G University, Kottayam. He, a renowned environmental scientist, is the Director of School of Environmental Sciences, the Honorary Director of Inter University Instrumentation Centre, M.G University and visiting professor of California Institute of Technology, USA. His lecture was on 'Environment Impact Assessment'. Prof. Mathew Gregory, Vice-Principal, and Department HOD, introduced the chief guest and welcomed the gathering. Our Manager, Very Rev. Fr. Mathew Chooravadi, delivered the presidential address and Principal Dr. Jochan Joseph gave an opportune message. The session also witnessed honouring our esteemed former teachers in the presence of a good gathering of our alumni. Our chief guest adorned the honourable teachers with 'Ponnada' in the midst of a standing ovation. Prof. George P George, former HOD, felicitated and Thomaskutty Tom, Association Secretary, proposed the vote of thanks.



EXTENSION ACTIVITIES

An extension program was conducted by the Department of Chemistry in March 2018-19 for analyzing the ground water in various regions of Kuttanadu. About 10 samples from different wells and rivers in nearby villages were analyzed. Essential Characteristics like pH, alkalinity, turbidity, hardness, chloride, Iron and phosphate were estimated. Results were given with due recommendations for further action

During 2019-20, 10 soil samples collected from the paddy fields and orchard fields in various parts of Kuttanad were analysed for pH, organic carbon, nitrogen, phosphorus and potassium. Besides, 8 water samples from nearby villages were also analysed for pH, alkalinity, turbidity, hardness, chloride, iron and phosphate. Results were delivered with proper recommendations for advanced testing and follow up. During the COVID 19 Pandemic period, our chemistry laboratory was busy with a noble gesture of social commitment, the preparation of hand sanitizer to be supplied to nearby localities in and around Edathua. As per the instructions from the principal, the

department initially made available hand sanitizer for the students and staff even before the declaration of lock down. It was provided to all students who came to college to attend the university examinations held in the first half of March, 2020.

On behalf of the college and as directed by the IQAC, we prepared 75 litres of hand sanitizer strictly as per the norms laid down by the World Health Organisation. Bottles of sanitizer were distributed to community kitchen services, the Red Cross Society, NGO's and other government and non-government organizations. Other beneficiaries include Alappuzha District Bar Association, Red Cross Society, Village Office, Panchayat Office, Treasury Office, KSEB Office, Town Boat Club and House Associations in and around Edathua. We also extended our service to St. George Forane Church and Adoration Convent, Edathua. We also collaborated with St. George Chundan Fans Club (SCFC) which is a local self help association in distributing hand sanitizer among the people in Edathua town and also installed a sanitizer unit at KSRTC bus station, Edathua.





സാനിറ്റൈസർ നിർമ്മിച്ച് നൽകി സെന്റ് അലോഷ്യസ് കോളജ്

എടത് • കോവിഡ് 19 പ്രതിരോധ നടപടികളുടെ ഭാഗമായി സാനിറ്റൈസർ നിർമ്മിച്ചു നൽകി സെന്റ് അലോഷ്യസ് കോളജ് കെമിസ്ട്രി വിഭാഗം അധ്യാപകരുടെ വിദ്യാർത്ഥികളും പ്രീൻസിപ്പൽ ഡോ. ജോഷ്വൻ ജോസഫിന്റെ നിർദ്ദേശപ്രകാരം അധ്യാപിക ശിഷ്യ ജോസഫ്, ലാബ് അസിസ്റ്റന്റ് ജോമോൻ കുര്യൻ, ജയ്മോൻ ജോർജ്ജ്, വിദ്യാർത്ഥികൾ എന്നിവർ ചേർന്നാണ് സാനിറ്റൈസർ നിർമ്മിച്ചത്.

ജെ. സർക്കാർ സ്മാരകങ്ങളിലും മറ്റും സർവ്വീസുകളിലും സേവന പ്രദർശനം നടത്താൻ വേണ്ടി വിവിധ സാനിറ്റൈസർ അഥവാ ക്ലോമിനീ പ്രീൻസിപ്പൽ പറഞ്ഞു.

സാനിറ്റൈസർ സീമാവിച്ചു

സെന്റ് ജോർജ്ജ് ചൂണ്ടൻ ഫാസ്റ്റ് ക്ലബ്ബിന്റെ നേതൃത്വത്തിൽ എടത് കൗൺസിൽ കൗൺസിലിൽ പങ്കെടുക്കും.



FOCUS FORUM

The alumni association strengthens the relation between alumni and the Alma mater.

Alumni Association of the Department of Chemistry, Focus Forum (Former Chemistry Undergraduate Students Forum) founded on 21 December 2012 for the purpose of advancing the interests of the department and its alumni. The silver Jubilee

special alumni gathering was conducted on 14 January 2020 which witnessed the active participation of the ex-students. Dr Anu Augustine was elected as the president and Princemon Philip as the vice president of Focus Forum. It was an extremely sensitive and emotional event that sparked nostalgia among everyone.



STUDY TOUR

Study tour enables students to enhance their learning experience by exploring places of geographic, historic and cultural significance. It also provides opportunities to interact with students from other colleges. A group of 20 students of 2018-19 batch visited various places in Wayanad and Coorg from 17-12-2018 to 21-12-2018 and the students of 2019-20 batch visited places like Coorg, Udupi and Wayanad from 15-12-2019 to 19-12-2019.



CO-CURRICULAR EVENTS

Students of our Department participated in various intra College co-curricular events like arts day, sports day, women's day etc. Team Chemistry won third prize in the inter-departmental march past competition.



STUDENT ACHIEVEMENTS



Thomasukutty Tom and Sreejith S of III B.Sc. Chemistry won first prize and a cash award of Rs. 10,000 in the National level Periodic table quiz organized by Mar Ivanios College, Thiruvananthapuram.



Sreejith S & Thomaskutty Tom of III B.Sc. Chemistry won first prize at the All Kerala intercollegiate quiz competition held at Assumption College Changanassery.



Subin C Scaria & Thomaskutty Tom won the first prize in intercollegiate science quiz held at St. Xavier's College, Vaikom.



Mridula Viswambharan of II B.Sc. Chemistry participated in the National level youth festival of the National Service scheme (NSS) held at Lucknow from 12 January 2019 to 16 January 2019. She was one among the 40 volunteers selected from the state to attend the festival.



Parvathi S of III B.Sc. Chemistry won the Exemplar award, awarded for the best outgoing student of the College. She was also the Miss Aloysius and Malayali Manka of the College. She also won Rev. Dr. Thomas Pothanamuzhi Prize for the best outgoing student from Science stream in 2019.



Akhilkanth & Thomaskutty Tom won the first prize in the inter-departmental world cup quiz competition organized by the Department of Commerce.

JAM/ CSIR-NET QUALIFIERS**Christy Ann Biji**
JAM-2018**Princemon Philip**
CSIR JRF 2019**Theresa Mary Sabu**
UGC NET 2020**Elizabeth Johnson**
CSIR JRF 2020**PLACEMENTS 2018-2020****Arjun K.S**
Quality Control
Officer UAE**Adarsh Babu**
CRPF**Akhil S**
INDIAN ARMY**SPECIAL ACHIEVEMENTS****Thomaskuty Tom**
Rev. Dr. Thomas
Pothanamuzhi Prize
for the best outgoing
student from Science
stream in 2020.**Sandeep Kumar S**
Participated in the Advance Leadership camp VI held at Madurai in 2018 and IGC RDC in 2017-2018. He was the Senior Under Officer in the NCC Army Wing.**HALL OF FAME- BSc. CHEMISTRY**

BATCH NO	YEAR	TOP SCORER	MARKS	REMARKS	BATCH NO	YEAR	TOP SCORER	MARKS	REMARKS
1	1996	ANNAMMA JOSEPH	572		16	2011	JINU JOSEPH	615	
2	1997	RINTA K. THUMPAILKALAM	742		17	2012	NEETHU VIJAYAN	3.13	
3	1998	RAJITHA RAJAGOPAL	805		18	2013	VIDYA. S	3.61	
4	1999	SIMMY JOSEPH	828		19	2014	NEETHU KRISHNAN	3.34	
5	2000	NISHA	748		20	2015	LIZ FRANCIS	3.59	
6	2001	SMITHA S.DEVASIA	743		21	2016	JENNY ROSE BENNY	2862	
7	2002	BINCY CHACKO & JANCY GEORGE	712		22	2017	MARIA CYRIAC	2815	
8	2003	SAINO HANNA VARGHESE	973	1 st RANK, M.G.UNIVERSITY	23	2018	AMRITHA M NANDAN	2948	
9	2004	ASWATHY. S	918	HIGHEST IN THE COLLEGE	24	2019	PARVATHY. S	2998	
10	2005	SONIA SCARIA	901		25	2020	THOMASUKUTTY TOM	3037	
11	2006	SAVITHA K.S	966	14 th RANK M.G. UNIVERSITY	26	2021			
12	2007	SUBI M.S	879		27	2022			
13	2008	VEENA VENUKUTTAN	908		28	2023			
14	2009	MIDHU GEORGE VEERAN	905		29	2024			
15	2010	JISHAMOL A.J	835	% OF 1 CLASS -7th IN MG UNIVERSITY	30	2025			

STUDENT PROGRESSION 2018-2019

No.	NAME	COURSE	COLLEGE
1	Christy Maria Jose	M.Sc Chemistry (Pure)	Mar Thoma College, Thiruvalla
2	Devika R Nair	M.Sc Chemistry (Pure)	NSS College, Changanassery
3	Jess Mathew	M.Sc Forensic Science	Sree Vaishnav Vidhyapeeth Viswavidyalaya, Indore
4	Sandeepkumar S	M.Sc Polymer Chemistry	Catholicate College, Pathanamthitta.
5	Sreepriya	M.Sc (applied)	CMS College, Kottayam
6	Swathy Soman	M.Sc Environment Science & Management	School of environmental sciences MGU, Kottayam
7	Parvathy S	M.Sc Chemistry (Pure)	Nirmala College, Muvattupuzha
8	Sangeetha P	B.Ed	KUCTE, Aryad
9	Sneha Sibichen	B.Ed	Porukara College of education, Champakulam

STUDENT PROGRESSION 2019-2020

No.	NAME	COURSE	COLLEGE
1	Pooja M Nair	M.Sc Forensic Science	Jain university, Kochi
2	Thomaskutty Tom	M.Sc Chemistry	SB College, Changanacherry
3	Jossy Sara George	M.Sc Analytical Chemistry	CMS College, Kottayam
4	Sreejith S	M.Sc Chemistry	Sree Narayana College, Chengannur
5	Shilpa Vijayakumar	M.Sc Forensic Science	Jain University, Kochi

PLACEMENTS

No.	NAME	YEAR	OFFICE / DESIGNATION
1	Arjun K.S	2019	Quality Control Officer, UAE
2	Thomson Anto Xavier	2019	RT Radiographer, Coimbatore
3	Adarsh Babu	2020	CRPF
4	Akhil S	2020	Indian Army

FACULTY PARTICIPATION

Dr. Anu Augustine

- Refresher course-summer school organized by UGC-HRDC-Academic staff College Thiruvananthapuram from 23-07-2018 to 13-08-2018
- Workshop on “Micro scale experiments in Chemistry” organized by Department of Chemistry, Assumption College, Changanassery on 12-2-2019
- Researcher’s Meet (RM 2019) organized by NSS Hindu College, Changanassery on 30-7-2019
- Refresher course in Higher Education in Chemistry (Swayam-ARPIT) organized by DBT Khalsa College, New Delhi from 1-9-2019 to -31-12-2019
- Hands on Training on “Technical paper Writing and Advanced Computer Tool” organized by Govt. College, Kottayam from 13-11-2019 to 14-11-2019

Mr. Jaimin George

- State Level Workshop on “Safety Awareness and First Aid in Chemistry labs”, organized by Department of Chemistry, S.D College, Alappuzha on 12-10-2019
- One week Capacity Building workshop on MOOCs, MOODLE, OER and E-content development organized by Mar Athanasius College, kothamangalam from 26-11-2019 to 02-12-2019
- Refresher course in Higher Education in Chemistry (Swayam-ARPIT) organized by DBT Khalsa College, New Delhi from 1-9-2019 to 31-12-2019
- NPTEL Online certification course on “Basics in Inorganic Chemistry” organized by IIT Bombay from January 2020 to February 2020
- International symposium on “Supramolecular and photochemistry” organized by Department of Chemistry, Sanatana Dharma College, Alappuzha on 17-1-2020
- One day seminar on “Preparing for online teaching” organized by S.H College, Thevara on 21-05-2020
- KSHEC Sponsored Six Days Short term faculty development programme organized by Payyannur College, Payyannur from 23-05-2020 to 28-05-2020
- Invited Lecture on “History of Periodic Table of Elements - a Detective Story” organized by Department of Chemistry, St. Mary’s College, Manaurcad on 18-12-2019

ADIEU TO PROFESSOR MATHEW GREGORY

Prof. Mathew Gregory, who has completed 25 years of glorious service in the institution was honoured during the valedictory of the Silver Jubilee Celebrations by Dr. C T Aravindakumar, Pro Vice-Chancellor of M.G University, Kottayam. Prof. Mathew Gregory has proved his mettle as the Vice-Principal of the college and HOD of the Department. He joined the college as lecturer in 1989 and became permanent faculty in 1995. He was a luminous teacher and contributed meritoriously to the institution during 25 years of his unblemished service. During his tenure, he served as the Director of Catholic Students Movement of the college for over a decade. He was the department Co-ordinator of National Seminar on Kuttanad and conducted a thorough study on the environmental issues in Kuttanad and presented the findings in the national seminar held in the college in 2002 which earned wide acclaim from both the organisers and the audience. He is the founder Co-ordinator of the prestigious Kuttanad Heritage Museum established in the college which won praiseworthy appreciation from all quarters including the NAAC Peer Team during their visit in 2015. He played a major role in the publishing of the moral text "Fragrance of Values" by the college.

He was the President of Chemistry Association for over two decades. He played a major role in the preparation of Self Study Report(SSR) for NAAC accreditation in 2015. He was the Programme Officer of NSS for three years and conducted volunteer camps at high range regions. He served as Chairman of College Discipline Committee, College Attendance Monitoring and Redressal Committee, Chief Superintendent of University Examinations and Nodal Officer of the college Anti-Ragging Committee. He served as the Co-ordinator of College Calendar for nearly a decade and Staff Editor of College Magazine for three years. He made keen interest in the beautification of the college campus and played a leading role in planting several Royal Palms around the college ground which renders a majestic ambience to the campus. He served as the Executive Member of college PTA, Secretary of Alumni Association, College Union Advisor, Member of Ethics Committee, Co-ordinator of College Film Club, Department Co-ordinator of Eureka Science Exhibition, Member of College Staff Council and Director of Reception Committee during Governors visit on the occasion of Golden Jubilee Celebrations of the college in 2015. Adieu to Prof. Mathew Gregory.



Very. Rev. Fr. Mathew Chooravadi, Manager handing over the appointment order of vice principal.



Dr. CT Aravindakumar handing over the memento during the Valedictory of Silver Jubilee



Very. Rev. Fr. Philips Wadakkalam handing over the memento during the farewell meeting organized by the college.



Dr. CT Aravindakumar draping Prof. Mathew Gregoery the Ponnada



Department bids farewell to Prof. Mathew Gregory

HEARTY WELCOME

Dr. Anu Augustine was appointed as the new head of the department on 1 June 2020. She obtained Ph.D in 'Organic Synthesis' from NIIST(RRL), Trivandrum. She did her first PDF in 'Nucleoside Chemistry' from ETH, Zurich, Switzerland and sec-

ond PDF in 'Medicinal Chemistry' from Australian National University (ANU), Canberra, Australia. She has published 12 peer reviewed papers in various international journals. All the best wishes to Dr. Anu Augustine .



SINCERE GRATITUDE



Fr. Varghese
Edachethra
Bursar (2017-2019)



Fr. Sebastian
Kannadippara
Bursar (2019-2021)

GREETINGS

The department of Chemistry is extremely pleased to come up with the much awaited Silver Jubilee edition of the Newsletter, 'Alchemi'. Let the Newsletter be a way to commemorate all the former faculty of the department, alumni and friends for their support in the growth and development of the department. This will definitely help us demonstrate our achievements in the last twenty five years and portray all the activities of the Jubilee Year. This Newsletter reflects what we have accomplished and looks forward to the future. It is a symbol

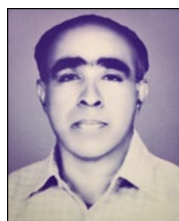
of our hard work which helped us achieve this jubilation. Heartfelt thanks to all, whose untiring work made this newsletter possible. I appreciate the wonderful services of the former Vice -Principal and HOD, Prof. Mathew Gregory and Editor Mr. Jaimin George. It is my pleasure to extend heartfelt greetings to the readers of this newsletter. I hope you all cherish it.

Dr. Anu Augustine
HOD (2020 -)

FORMER FACULTY



Prof. P. T Thomas
1966-1998



Prof. A. M Joseph
1968-2000



Prof. Gracemma Mathew
1969-2002



Prof. George P George
1974-2004



Prof. Daisy Joseph
1975-2006



Prof. Mary K.V
1981-2010



Prof. Mollykutty Francis
1979-2011



Prof. Marykutty Joseph
1981-2011



Prof. Varghese Antony
1981-2013



Prof. Joboy Mathew
1982-2014



Prof. Philomina Joseph
1982-2015

FORMER LAB ASSISTANTS



Sri. P.J Chacko



Sri. Thomas Francis



Sri. Thankappan K.C



Sri. Agnidhar Sharma



Sri. K.C Joseph



Sri. George Job

PRESENT FACULTY



Prof. Mathew Gregory
Associate Professor & HOD



Dr. Anu Augustine
Assistant Professor



Mr. Jaimin George
Assistant Professor



Ms. Aneena Lal
Assistant Professor



Ms. Shilpa Joseph
Assistant Professor

LAB ASSISTANTS



Sri. Sunil C.V

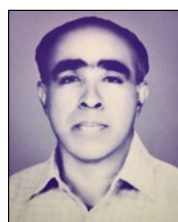


Sri. Jomon K.V



Smt. Thresiamma George

HOMAGE



Prof. A. M Joseph

Prof. A. M. Joseph , faculty during the period 1968-2000 was called to eternal rest on 17-4 2006 . He is gone but never forgotten.

FROM THE ARCHIVES



1993-1996



1994-1997



1995-1998



1996-1999



2000



2001



1999-2002



2000-2003



2001-2004



2005

FROM THE ARCHIVES



2003-2006



2007



2005-2008



2009



2010



2009-2012



2013



2011-2014



2012-2015



2013-2016



2014-2017

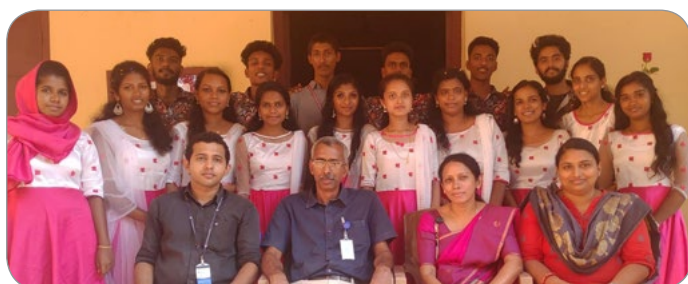


2015-2018

PRESENT BATCHES



2016-2019



2017-2020



2018-2021



2019-2022

FROM THE ARCHIVES



Eureka 2002



Eureka 2003



Eureka 2004



Inauguration of Soil and Water testing lab



Ms. Saino Hanna Varghese won the first rank in the M.G University B.Sc Chemistry examination 2003. Dr. Saino Hanna Varghese is presently working as Assistant Professor at Catholicate College, Pathanamthitta.

GALLERY



Physical Chemistry Laboratory



B.Sc Laboratory



Soil and Water Testing Lab



Staff Room



Department Library



II B.Sc Class Room



I B.Sc Class Room



You may scan the QR Code to view the activities of the academic year 2020-2021

FROM THE EDITORS DESK



We are delighted to present this Silver Jubilee memorial biennial newsletter of the Department of Chemistry entitled Aloysian Chemistry Informatics - 'Alchemi'. Academic and co-curricular activities during the academic year 2018-19 and 2019-20 and the unique achievements of the department during the past are also depicted. I would like to express my sincere gratitude to Dr. Jochan Joseph, Principal and Dr. Saban K.V, former Principal for the inspiration and motivation. With great appreciation and gratitude I acknowledge the support and guidance rendered by Prof. Mathew

Gregory, and Dr. Anu Augustine which resulted in materialising this newsletter. I would also like to acknowledge and thank Prof. Nandakumar P.S, faculty, Post Graduate Department of English for his invaluable and sincere editorial support.

I hope you all cherish this newsletter and enjoy reading it. We do welcome your suggestions and reviews that may help us improve in the years to come.



Jaimin George
Editor

