# SREE NARAYANA COLLEGE, CHATHANNUR SCIENCE CLUB

#### **ACTIVITY REPORT**

The Science Club is an avenue for students that endeavour to enhance interest, understanding, and knowledge of the scientific world by exposing them to a wide range of discussions, seminars, competitions etc. Students are encouraged to approach the expansive arena of science with an explorative perspective. The club strives to develop the student's awareness and concern for scientific issues in personal, social, environmental and technological contexts. Science club encourage students to participate actively in all the activities organized by the club.

#### **ACTIVITY REPORT 2022-23**

Science club and Department of Chemistry jointly organized a seminar on "Science Humanities and skills for the current age". The Resource person for the event was Dr.K Indulekha, Professor (Rtd), School of Pure and Applied Physics, Kottayam.Dr. M S Latha, Principal, has given the presidential talk, Dr. N B Sreekala, the head of the chemistry department, spoke at the event. Dr.Divya V facilitated for the The event was coordinated by Science club members Dr. Vidhya R V, Assistant Professor, Department of Chemistry and Ms. Muthu S, Assistant Professor, Department of Chemistry. The vote of thanks was proposed by Dr. Deepa M.J, Faculty, Department of Chemistry. Faculties of all departments, undergraduate and graduate students attended the seminar.



PG DEPARTMENT OF CHEMISTRY

**SEMINAR** 

" SCIENCE, HUMANITIES AND SKILLS FOR THE CURRENT AGE "

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Dr. K Indulekha Professor(Retd.) School of Pure & Applied Physics, M.G University.



**Dr. M.S Latha**Principal

Dr. N.B Sreekala H.O.D Ms. Muthu.S & Dr. Vidhya R.V Coordinators







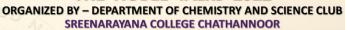


Science club in association with Department of Chemistry hosted a seminar titled "NOBEL TALKS-2021" on 15/03/2023 at Sree Narayana College Chathannur. The purpose of the seminar was to introduce and educate students about the works won 2022 Nobel Prizes and life and journey of the Nobel laureates that led to this prodigious achievement. The program was inaugurated by Dr. M S Latha, Principal Sree Narayana College, Chathannur with an enlightening opening talk through which students got introduced to many great science research works and minds behind the works that won Nobel prizes. Dr. N B Sreekala, the head of the chemistry department, spoke at the event. Ms Gokul P, Mr. Ayoob B.S, Ms.Alina Rajendran , Ms Athira M S, first-year PG students, gave presentations on the 2022 Nobel awards. The event was attended by teachers, undergraduate and postgraduate students.



## LA RÊVEUSE- II

## THE NOBEL TALKS 2022





## **NOTABLE HIGHLIGHTS**

## **NOBEL PRIZE 2022**

CHEMISTRY: Carolyn R Bertozzi, Morten Meldal and K Barry Sharpless.

"for the development of click chemistry and bio orthogonal chemistry"

PHYSICS: Alain Aspect, John F Clauser and Anton zeilinger.

"for experiments with entangled photons, establishing the violation of Bell inequalities and pioneering quantum information science"

MEDICINE OR PHYSIOLOGY: Savante Paabo.

"for his discoveries concerning the genomes of extinct hominins and human evolution"  $% \left( \frac{1}{2}\right) =\frac{1}{2}\left( \frac$ 

VENUE & DATE: SEMINAR HALL ON 15/03/2023 @10 am

#### PROGRAMME CHART

PRAYER : STUDENTS (1stMSC CHEMISTRY )

ANCHORING : NAMINA N WELCOME SPEECH : RAHUL J

**TOPIC PRESENTATION:-**

CHEMISTRY : GOKUL P PHYSICS : 1) AYOOB SS

2) ALINA RAJENDRAN

MEDICINE : ATHIRA AM VOTE OF THANKS : GOKUL P

COORDINATORS: 1st SEMESTER MSc CHEMISTRY STUDENTS

HOD : Dr N B Sreekala



As like every year, for commemorating the discovery of Raman Effect by the Indian veteran Nobel laureate Sir. C V Raman, this year also Science club of Sree Narayana College Chathannur celebrated National Science day on 28<sup>th</sup> February 2021. The theme of the 2023 National science event was 'Global Science for Global Wellbeing'. Based on the theme, Interdepartmental quiz competition was conducted successfully and prizes for the winners were distributed on college merit day.



**Coordinators:** 

**Principal**: Dr. Latha M.S.

Science Club Members II PG Chemistry Students

**HoD:** Dr. N. B. Sreekala



### **ACTIVITY REPORT 2021-22**

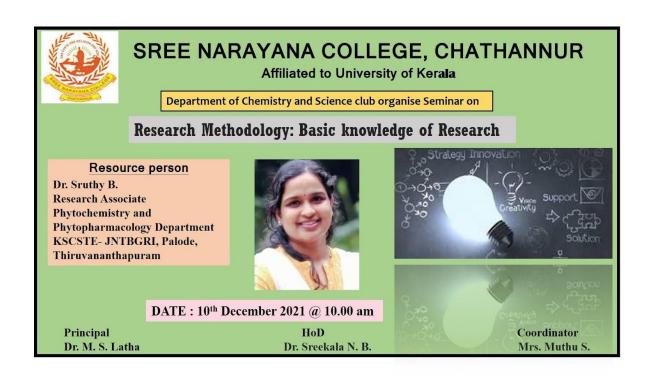
Science club and Department of Chemistry jointly organized a webinar on World Environment day, 5<sup>th</sup> June 2021. The theme of this year's World Environment Day was Ecosystem Restoration. On this regard, a webinar was organized on this day to provide awareness among students for the need of restoring and recovering ecosystems. The Resource person for the event was Dr. C. T. Aravindakumar, Pro Vice- Chancellor, Mahatma Gandhi University. Professor, School of environmental sciences and the webinar was conducted through Google Meet platform. Dr. M S Latha, Principal, and Dr. N B Sreekala, the head of the chemistry department, spoke at the event. The resource person, Dr. Aravindkumar delivered the talk on the topic "Sustainable Development in Ecosystem Restoration".



Word ozone day is being celebrated on 16<sup>th</sup> of September every year by Science club of Sree Narayana College Chathannur, to spread the awareness in young minds about the importance of ozone layer, what are the factors that cause its depletion and what may be the possible solution for protecting our ozone layer. Every year, Science club organizes the activities for the ozone day, in such a way to instil scientific temperaments and research attitude among students regarding possible preventive measures and solutions for ozone layer protection. In 2021 also Science club in association with Department of chemistry organized science day celebration and theme for the program was "Montreal Protocol -'Keeping us, our food and vaccines cool". Online quiz and Essay writing competition were conducted in this regard on the topic "Ozone for Life", and received many thought provoking and interesting ideas through their essays. Science club always attempts to support students by organizing such type of events in order to inculcate ideas and improve scientific views among the students.



The seminar on Research Methodology had organized by the Department of Chemistry and Science Club, Sree Narayana College, Chathannur was inaugurated on 12th December 2021 at 10.00 am with Dr. Sruthy B., Research Associate, Phytochemistry and Phytopharmacology Department, KSCSTE-JNTBGRI, Palode, Thiruvananthapuram and Dr. M. S. Latha, college principal. The welcome address was given by Dr. Sreekala N. B., Head of the Department, Department of Chemistry. The resource person for the event was Dr. Sruthy B., Research Associate, Phytochemistry and Phytopharmacology Department, KSCSTE-JNTBGRI, Palode, Thiruvananthapuram. Dr. Sruthy B. presented a very informative speech on 'Research Models and Methodologies'. Addressing the session Dr. Sruthy specially focused on the objectives of research, types of research, research models, qualitative and quantitative research methods and research design in detail in the session. The vote of thanks was delivered by Dr. Sumithra I. S., Guest Faculty, Assistant professor in Chemistry. Faculties of all departments, undergraduates and graduate students in the college attended the seminar.





Science club in association with Department of Chemistry hosted a seminar titled "NOBEL TALKS-2021" on 05/01/2022 at Sree Narayana College Chathannur. The purpose of the seminar was to introduce and educate students about the works won 2021 Nobel Prizes and life and journey of the Nobel laureates that led to this prodigious achievement. The program was inaugurated by Dr. Achuthahankar S Nair, Professor, Department of Computational Biology & Informatics, University of Kerala, with an enlightening opening talk through which students got introduced to many great science research works and minds behind the works that won Nobel prizes. Dr. M S Latha, Principal, and Dr. N B Sreekala, the head of the chemistry department, spoke at the event. Ms Nivya M, Ms Ardra S., Ms. Sukama S., Mr. Jithin Raj R., Ms. Lakshmi S., Ms. Anagha A. L., Ms. Naufia M., Ms. Remya R., Ms. Abhirami, Ms. Anjana A. S., Ms. Sneha S, and Ms. Aishwarya, first-year PG students, gave presentations on 2021 Nobel awards. The event was attended by teachers, undergraduate and post graduate students.



## LA RÊVEUSE

### THE NOBEL TALKS 2021

Organized by - DEPARTMENT OF CHEMISTRY & SCIENCE CLUB
SN COLLEGE CHATHANNUR

## NOTABLE HIGHLIGHT

## NOBEL PRIZE 2021

CHEMISTRY - "New Way of Building Molecules"

PHYSICS - The Physical Modelling of Earths Climate Quantifying Variability and Predicting

Global Warming

PEACE. - "Courageous Fight in Uphold Freedom of

Expression?

Literature - "The Uncompromising and Compassionate

Penetratian Effects of Colonialiant

## VENUE

@ SEMINAR HALL

ON 05- 01- 2022

@ 10 am

#### COORDINATORS

MSc 1st Semester Students

DEPARTMENT OF CHEMISTRY

HOD :- Dr. N.B. Sreekala

PRINCIPAL :- Dr. Latha.M.S

## PROGRAMME CHART

PRAYER :- ARDHRA S

WELCOME SPEECH :- AVANT PRATHAP

FELICITATION :- AMBILY P
TOPIC

PRESENTATION :- NOBEL PRIZE2021

CHEMISTRY 1. NIVYA M 2. ARDHRA S

PHYSICS 1. SUKAMA S 2. JITHINRAJ R

3. LEKSHMI S

PEACE 1. NOUFIYA M

2, ANAKHA, A,L

LITERATURE 1. FARHA S

MEDICINE 1. REMYA.R

ECONOMICS 1. RIFANA.A

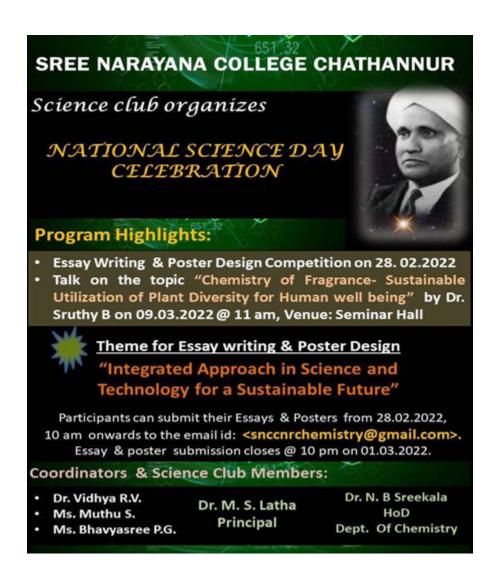
VOTE OF THANKS :- ANJANA A.S.

The Science Club and Department of Chemistry, Sree Narayana College, Chathannur have jointly organized a webinar on Research Methodology by Dr. Achuthsankar S Nair, Professor, Department of computational Biology & Informatics, University of Kerala, on 15<sup>th</sup> January 2022. Dr. Acuthsankar gave an enlightening speech on Research methodology discussing various steps in research process and how to write research articles, its publication procedures etc. Dr. M S Latha, Principal, and Dr. N B Sreekala, the head of the chemistry department, spoke at the event. The event was coordinated by Science club members Dr. Vidhya R V, Assistant Professor, Department of Chemistry and Ms. Muthu S, Assistant Professor, Department of Chemistry. The vote of thanks was proposed by Dr. Shaiju P, Faculty, Department of Chemistry. Faculties of all departments, undergraduate and graduate students attended the webinar held via Google Meet.





As like every year, for commemorating the discovery of Raman Effect by the Indian veteran Nobel laureate Sir. C V Raman, this year also Science club of Sree Narayana College Chathannur celebrated National Science day on 28<sup>th</sup> February 2022. The theme of 2022 National science event was 'Integrated Approach in Science and Technology for a Sustainable Future'. As per the theme, this year's science day events were organized to impart scientific thinking among students for a sustainable future by integrating science and technology. Essay writing and online poster design competition were conducted in this regard. Students presented many interesting and innovative ideas through their creative works.

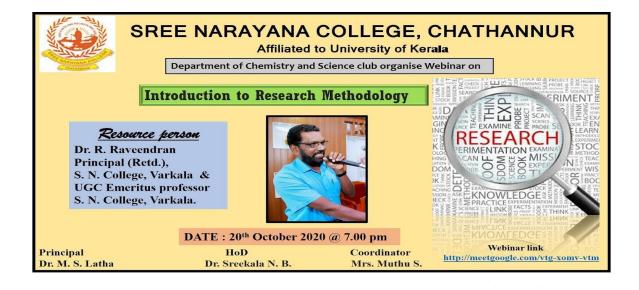


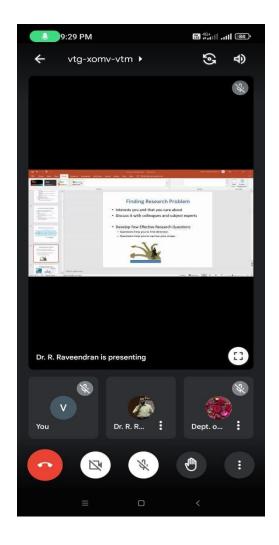
The Science club of Sree Narayana College Chathannur, coordinated a talk on the topic "Chemistry of Fragrance- Sustainable Utilization of Plant Diversity for Human well-being" on 9th March 2022. The speaker for the event was Dr. Sruthy B, Phytochemistry and Phytopharmacology Department, KSCSTE- JNTBGRI, Palode, Thiruvananthapuram. Dr. Saiju P. delivered the inaugural address, Dr. M S Latha, Principal, and Dr. N B Sreekala, the head of the chemistry department, spoke at the event. Dr. Sruthy discoursed about sustainable utilization of plant diversity, overview of photochemistry and its application in diverse filed and chemistry related to fragrance



#### **ACTIVITY REPORT 2020-21**

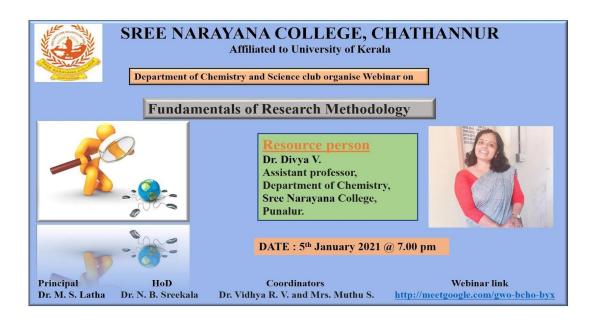
The webinar on Research Methodology organized by the Department of Chemistry and Science club of Sree Narayana College, Chathannur was inaugurated on 20<sup>th</sup> October 2020 at 7 pm on Google Meet Platform (meeting link: http://meet.google.com/vtg-xomv-vtm). The inaugural keynote address was delivered by Dr. R. Raveendran, UGC Emeritus professor S. N. College, Kollam and Principal (Rtd.), S. N. College, Varkala who presented an informative speech on 'Introduction to Research Methodology'. The session introduced utility of research, finding research problem, characteristics of research, need for research and scope/significance of research. UG and PG students and teachers actively participated in the webinar. Also, the participants actively involved in the end session of interactive session through google meet. The vote of thanks was delivered by Dr. Vidhya R. V., Assistant professor in Chemistry.

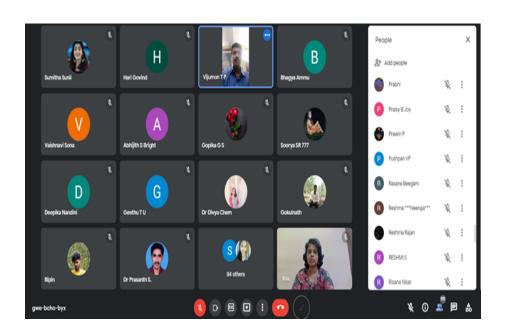




The science club and department of Chemistry, Sree Narayana College, Chathannur jointly organized a webinar on research methodology, titled, 'Fundamentals of Research Methodology' by Dr. Divya V., Assistant professor, Department of Chemistry, Sree Narayana College, Punalur on 5<sup>th</sup> January 2021 at 7.00 pm on Google Meet Platform (meeting link: http://meet.google.com/gwo-bcho-byx). Dr. Divya V. gave an enlighting speech on the fundamentals of research methodology and discussed the concept of research, research method and methodology, understanding the pedagogy of research and making familiar with the relation

between theory and research. Dr. M. S. Latha, Principal and Dr. N. B. Sreekala, Head of the Department, Department of Chemistry spoke at the event. The webinar was coordinated by science club members Dr. Vidhya R. V., Assistant professor, Department of Chemistry and Mrs. Muthu S., Assistant professor, Department of Chemistry. The vote of thanks was delivered by Mrs. Muthu S., Assistant professor in Chemistry. Faculties of all departments, undergraduates and graduate students in the college attended the webinar held via google meet.





## **ACTIVITY REPORT 2019 -20**

The theme of the year was "Beat Air Pollution". In connection with World Environment Day 2019 a seminar on "Air Pollution" was conducted on 21-06-2019, sponsored by Kerala State Council for Science Technology & Environment. The seminar was handled by Dr. Shalom Gnana Thanka V, Professor, Department of Environmental Science, University of Kerala, Karyavattom. Along with the seminar, paper presentation was conducted which was actively participated by the students.



The Science Club and Department of Chemistry, Sree Narayana College, Chathannur had jointly organized a seminar on Research Methodology titled, 'Fundamentals of Research Methodology' by Mr. Binoy S., Assistant professor, Department of Commerce, Sree Narayana College, Chathannur on 23<sup>rd</sup> November 2019 at 10.00 am. Mr. Binoy gave informative speech on Research methodology and explained the objectives and motivation of research, ethics in research, research approaches, significance of approaches, research strategy and criteria of good research in detail. The felicitation was given by Dr. Subhash Chandran C. S., principal and explained the importance of research in the present scenario. The seminar was conducted by science club members. The vote of thanks was delivered by Dr. Sreekala N. B., Head of the Department, Department of Chemistry. The seminar was attended by all the teachers,

undergraduate and graduate students in the college.





Science club and Department of Chemistry, Sree Narayana College, Chathannur jointly organised a seminar on research methodology, titled 'Introduction to Research' on 4<sup>th</sup> January 2020. The resource person for the event was Dr. Divya V., Assistant professor, Department of Chemistry, Sree Narayana College, Punalur. Dr. Divya gave an enlightening speech on 'Introduction to Research'. Dr. Divya discussed designing strategies for development, discovering hidden facts, explaining unexplained social phenomena and challenging existing theories. Dr. C. S. Subhash Chandran, Principal, Dr. N. B. Sreekala, Head of the Department, Department of Chemistry spoke at the event. The seminar was conducted by science club members. The vote of thanks was delivered by Mrs. Muthu S., Assistant professor in Chemistry. The seminar was attended by all the teachers, undergraduate and graduate students in the college.





## SREE NARAYANA COLLEGE, CHATHANNUR Affiliated to University of Kerala

Department of Chemistry and Science club organise Seminar on

## **Introduction to Research**

### Resource person

Dr. Divya V. Assistant professor, Department of Chemistry, Sree Narayana College, Punalur.

DATE: 4th January 2020 @ 10.00 am

HoD Dr. Sreekala N. B.



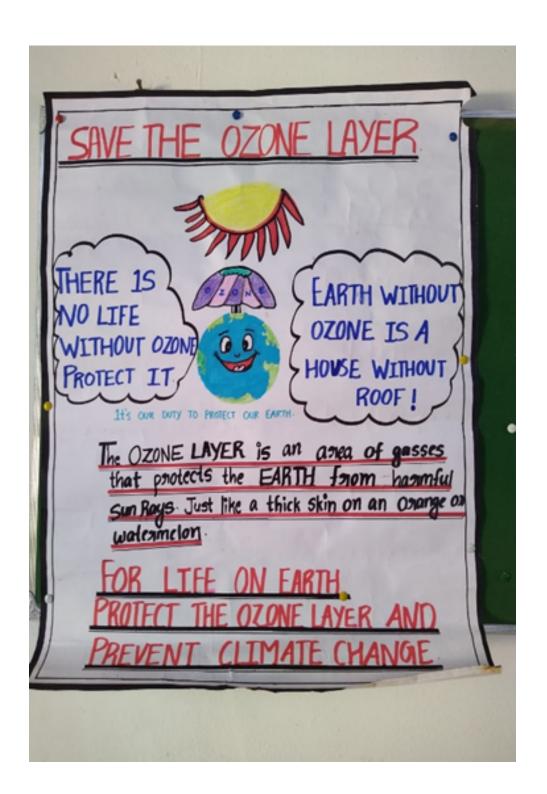
Coordinator Mrs. Muthu S.



As part of National Science Day, Science Club and Department of Chemistry jointly organises an Interdepartmental quiz competition on 28-02-2020 with the participation of students from all departments in our college.

On World Ozone Day 2019 Department of Chemistry and science Club jointly organizes a poster presentation competition was successfully conducted on 16-09-2019 based on the theme "32 years and healing". All the students actively participated in the competition.

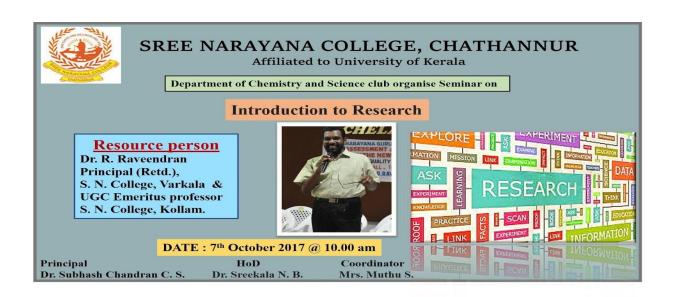






### **ACTIVITY REPORT 2017-2018**

The seminar on Research Methodology organized by the Department of Chemistry and Science club of Sree Narayana College, Chathannur was inaugurated on 7<sup>th</sup> October 2017 at 10.00 am with Dr. R. Raveendran, UGC Emeritus professor, S. N. college, Kollam and Dr. Subhash Chandran C. S., College Principal. The inaugural keynote address was delivered by Dr. R. Raveendran who lectured on the topic 'Introduction to Research', focusing on characteristics of the scientific method and scientific knowledge and general approaches to research. Dr. Subhash Chandran C. S., Principal, Dr. N. B. Sreekala Head of the Department, Department of Chemistry spoke at the event. The seminar was conducted by science club members. Several UG and PG students and teachers in the college actively participated in the seminar. Undergraduate and postgraduate students and teachers participated in the seminar. The vote of thanks was delivered by Mrs. Muthu S., Assistant professor in Chemistry.





The Science Club celebrated World Environment Day on 8<sup>th</sup> June 2018, inaugurated by our Principal Dr. T Pradeep. In connection to the celebration, the department of Chemistry and science club jointly organizes a a seminar by Dr. Anila George, Assistant Professor, Department of Environmental Sciences, St. Johns College, Anchal.



The National Science Day 2018 was celebrated on 28-03-2018. A seminar on "Food Adulteration" by Dr. Shyamchand S S, Assistant Professor, University College, Trivandrum was organized. In the later half, an interdepartmental quiz competition was conducted for the students. All students from Science club actively participated in the Programme.





The seminar on Research Methodology organized by the Department of Chemistry and Science club of Sree Narayana College, Chathannur was inaugurated on 3<sup>rd</sup> March 2018 at 10.00 am with Dr. Latha M. S., Principal, TKMM college, Nangiarkulangara and Dr. C. S. Subhash Chandran, College Principal. Mrs. Muthu S., Assistant Professor in Chemistry welcomed all the participants in the session. The inaugural keynote address was delivered by Dr. Latha M. S. She lectured on the topic 'Introduction to Research Methods', focusing on understanding the scientific methods, formulation and role of hypothesis in a research study, and the concept of research methods and methodology. The seminar was conducted by science club members. The participants actively involved in the end session of interactive session. The vote of thanks was delivered by Mrs. Bhavyasree P. G., Assistant Professor in Physics.