

N.S.S COLLEGE NEMMAR
DEPARTMENT OF CHEMISTRY

Annual report of Departmental Activities 2018-19.

Department secured a pass percentage of 96 and 92 in BSc and MSc respectively during the academic year 2017-18.

The Department of Chemistry, NSS College, Nemmara organized the two-day programme 'CHEMWED 2018' - as part of the World Environment Day 2018 - Celebrations, with the financial assistance from Kerala State Council for Science, Technology and Environment, Thiruvananthapuram on 21.06.2018 and 22-06-2018. The programmes commenced with the Documentary show based on Environmental pollution conducted on 21.06.2018 by the faculties of Department of Chemistry, N.S.S College Nemmara with the leadership of Dr Ambili V K, Assistant Professor and Coordinator of the programme in the seminar hall of the college. In which students from various Departments of N.S.S College Nemmara participated. Three documentaries were included in the show. In the Essay Competition based on the theme 'Plastic Pollution and Environmental Hazards' conducted from 1.30 p.m. to 3.00 p.m. of the same day in which 20 students participated from various Departments of N.S.S College Nemmara. Gokul M, Dept. of Botany won first prize. Akshitha Ajith of Dept. of Malayalam was adjudged as second. With an aim to generate awareness among the students, academia and general public about the importance of World Environment Day, a seminar on pollution related topics was conducted on 22-06-2018. Dr K. Padmakumar, Assistant Professor, Dept. of Chemistry, Govt. Victoria College, Palakkad inaugurated the function. Dr. E B Sureshkumar, Principal NSS College, Nemmara presided over the function. The welcome address was given by Dr. Ambili V K, Coordinator and head of the Department of chemistry, NSS College, Nemmara. The head of the Department of History, Prof. Thulasi K A, Prof. Sreeja G, from Department of English gave away

the felicitations. Dr. Priya S, Assistant Professor of Chemistry accredited vote of thanks. First section commenced with a lecture on “Plastic Pollution” was given by Dr K. Padmakumar, Assistant Professor, Dept. of Chemistry, Govt. Victoria College, Palakkad. Dr R. Manu, Assistant professor, Dept. of Chemistry, Sree Vyasa NSS College, Wadakkanchery handled the afternoon session which was based on the topic “Resources and Environmental Issues”.

Department Coordinated an industrial visit to Malabar Cements Limited Palakkad for the final year degree students as a part of their curriculum on 27.12.2018.

Department conducted PTS meetings for all batch students in December 2019.

Department conducted a two day seminar on 25.3.2019 and 26.3.2019 with the financial support from PTA of the college. First day of the seminar covered a detailed class handled by Dr Padmakumar K and a hands on training session handled by Dr Ramesh A R on Computational Chemistry. The topic discussed in the second day was “An interface of Scientific Research and Innovations- Indian Perspective”. The class was handled by Dr R Manu.

Department also provided technical support for water analysis in Kollengode Panchayath carried out by the NSS units of the college. Important parameters monitored were hardness, iron and phosphate presence and pH of water. Analysis were carried out in the flood affected area and its premises. To study the effect of hardness on health, health survey analysis were done. Students have also conducted an awareness of health issues of using hard water.



CHEMWED 2018



Seminar on 25.3.2019 and 26.3 2019



Technical support for Water analysis

N.S.S COLLEGE NEMMAR
DEPARTMENT OF CHEMISTRY

Annual report of Departmental Activities 2019-20.

Department secured a pass percentage of 97 and 100 in BSc and MSc respectively during the academic year 2018-19. Two of our previous batch MSc student (16-18) secured UGC-NET during this year.

Department organized a one day seminar CHEMZONE in relation with ozone day celebrations 2019 with the financial support from KSCSTE on 23.9.2019. Dr Anoop S Nair was the Coordinator of the seminar. The seminar associated with two invited lectures by Dr Suja Haridas from CUSAT Cochin and by Dr Vinayakan R from N.S.S Hindu College Changanassery. A documentary show on the topic Ozone Depletion was also conducted for the students of various departments. The programme involved planting of 32 tree saplings in the college campus. It was followed by an oath taking ceremony lead by the programme coordinator.

Department Coordinated an industrial visit for the final year degree students as a part of their curriculum from 10.12.19 to 12.12.19. As part of the revised curriculum of 2019 Admission M.Sc. Chemistry Course, field visit to academic institutions or to any R&D center is made mandatory. To fulfil this, a field visit to Integrated Rural Technology Centre (IRTC), Palakkad with a team of 11 Students and 2 faculties were organized by the department.

Department conducted PTS meetings of BSC chemistry students on 27.08.2019, 14.11.2019 and 15.11.2019 for final year, first year and second year respectively. Respected Principal of NSS College Nemmara Dr S Venugopal inaugurated the meeting and addressed the parents. All department faculties interacted with parents. Parents also made comments about the student's progress.

Department also conducted CONCEPT TEST IN CHEMISTRY - CONTECH 2019-20 (2nd phase) examination for the BSc students, which was aimed to improve

their performance in national level tests. The programme was conducted in association with Association of Chemistry Teachers (ACT), C/o Homi Bhabha Centre for Science Education (HBCSE), TIFR, Mumbai. Dr Ambili V K was the coordinator of the programme and 18 students participated in the examination. All the participants got certificates from ACT according to their performances.

Department conducted a one day seminar NSD-2020 in connection with National Science Day Celebrations 2020 on 2.3.2020 with the financial support from PTA of the college. A Soap making unit was started by the Department which was inaugurated by Sri Jiju M R from S.N College Alathur. An invited talk was also delivered by him for the students of various departments. UGC- NET holders from the department were honored in the seminar.

The department put forward its steps for preventing COVID 19 spread by preparing sanitizer and distributed to various departments, labs, exam halls, office etc. We were also distributed it to the nearby bus stops, autoriksha stands, canteen, post office, hotels etc.

Department also provided technical support for making sanitizers to various charitable federations near to the college, they distributed it to hospitals, police stations, etc.

Department took initiative for online classes for both BSc and MSc students to complete balanced portions, which couldn't be completed due to lockdown. Video lectures were uploaded in the online platform created by the department.



CHEMZONE 2019

PTS CHEMISTRY DEPARTMENT





CONTECH 2019

SCIENCE DAY SEMINAR



ഇത് ഞങ്ങൾ പരീക്ഷണാടിസ്ഥാനത്തിൽ നിർമ്മിച്ച സാനിറ്റൈസർ കൊല്ലങ്കോട് ഗവ.ആശുപത്രിയിലെ ഡോക്ടർക്ക് കൈമാറുന്നു..



24 മണിക്കൂറിൽ നെന്മാന മണ്ഡലത്തിലെ സാനിറ്റൈസറിന് ക്ഷാമം നേരിട്ട വിവിധ #ആശുപത്രികളിൽ, #പോലീസ് സ്റ്റേഷനുകളിൽ, #പഞ്ചായത്തുകളിൽ എന്തിനേറെ പറയുന്നു - #കേരള അതിർത്തിക്ക് അപ്പുറത്തുള്ള #തമിഴ്നാട്ടിലെ പോലീസിനും, ആരോഗ്യ വകുപ്പിനും വരെ സാനിറ്റൈസറും #നന്ദം

മഹാമാരിയ്ക്കെതിരായ പോരാട്ടത്തിൽ സർക്കാറിനൊപ്പം ചേരുകയാണ്.. ഇനിയും #പുതിയ മാതൃകകൾ സൃഷ്ടിക്കാൻ.. ഈ ഉദ്യമത്തിൽ ഞങ്ങളെ സഹായിച്ചു #നെമ്മാറ #NSS കോളേജിലെ കെമിസ്ട്രി വിഭാഗം ഹെഡ് ശ്രീമതി. #അമ്പിളി കീച്ചർക്കും, ഞങ്ങൾക്കായി കോളേജ് അനുവദിച്ച പ്രിയപ്പെട്ട #പ്രിൻസിപ്പാളിനും ഹൃദയാഭിവാദ്യങ്ങൾ..

Technical support for sanitizer making

N.S.S COLLEGE NEMMAR
DEPARTMENT OF CHEMISTRY

Annual report of Departmental Activities 2020-21.

Department secured a pass percentage of 89 and 100 for BSc and MSc respectively during the academic year 2019-20. One of our MSc student Gopika U got CSIR – Summer Research Fellowship during this academic year.

An international webinar on Research Innovations in Gold Nanoparticles was conducted by Department of Chemistry and IQAC on 11.07.2020 in order to inculcate research aptitude among PG and UG students of Chemistry. Faculties and students from different Universities of Kerala and Tamilnadu participated in the programme. Dr Raju Totta, Post-doctoral fellow Hanyang University, Erica South Korea was the resource person. On the inaugural function Principal and IQAC Co-Ordinator emphasised the importance of research and application in the field of science. Head of department Dr Ambili V K offer Presidential address and entire programme was co-ordinated by Dr. Priya S. The entire programme was very interactive and speaker answered the queries raised by the audience. Dr. Anoop S. Nair, proposed vote of thanks.

The final year degree students and first year MSc students attended an international symposium on Advances in Nanomaterials engineering for sustainable future organized by Sree Keralavarma College Thrissur on 18.03.2021 instead of industrial visit as a part of their curriculum which is not possible due to COVID 19 pandemic situation

Department conducted PTS meetings for all batches through Google meet.

Department also provided technical support for making sanitizers to College union when the university examinations held at the college and distributed in classrooms, departments, etc.

Department took initiative for online classes for both BSc and MSc students to complete balanced portions, which couldn't be completed due to lockdown. In the current academic year teaching learning process was continued through online mode. Live online classes through Google Meet and previously recorded video lectures uploaded in the Google Classrooms helped the students to overcome the obstacles.

Department offered a certificate course on '**Water Analysis**' for the students from various departments which involved classes on chemistry behind analytical procedures and permissible levels of water quality parameters. The course also involved hands on training in water quality analysis test kits. Dr Anoop S Nair was the coordinator of the Certificate Course.

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 Email: nsscollegenemmara@gmail.com
 Website: www.nssnemmara.in

Nationally & accredited with 'A' Grade by NAAC

Organized By
**DEPARTMENT OF CHEMISTRY,
 NSS COLLEGE, NEMMARA &
 IQAC NSS COLLEGE NEMMARA**

INTERNATIONAL WEBINAR

Research Innovations in Gold Nanoparticles

Date : 11.07.2020
 Time : (11.00 a.m. to 12.00 p.m.)

Resource person
DR RAJU THOTA
 Hanyang University- ERICA, South Korea.

Platform: **GOOGLE MEET**

IQAC Co-ordinator Head Principal

Meet - gsk-fog-kgg - Google Chrome
 meet.google.com/gsk-fog-kgg?authuser=0

Thota Raju is presenting

Synthesis

Etching

Excess ligand directed etching of a series of GSH protected Au₂₅(SG)₁₆ clusters

- Au₂₅-SG clusters show higher stability against etching depending on the core size.
- The Au₂₅(SG)_n (n<25) clusters are completely oxidized to Au (I) -SG complexes.
- The Au₂₅(SG)_n (n<25) clusters are etched into Au₂₅-SG

PAGE analysis of the reaction product

Meeting details ^

Meeting details (100) Chat

Shiba Joseph 10:55 AM
good morning all

bolle therathi 10:57 AM
Dr Bolle Therathi
Assistant Professor & Head
Dept of Chemistry
St Aloysius College, Elthuruth

Nishad K.M. Shalk 10:58 AM
Yes

Reshmi M K Nair 10:59 AM
Reshmi M K Nair
Mac. Analytical chemistry
Marthoma College, Thiruvalla
reshminair@gmail.com

JYOTHSNA PRADEEP 10:59 AM
Jyothsna G. Assistant Professor,
Department of Politics, S N M College,
Malankara, Ernakulam

Turn on captions Thota Raju is presenting

Send a message to everyone

**International symposium on
 Advances in Nanomaterials engineering for sustainable future
 and CHEMNEST's 9th Prof. TCK Menon Memorial lecture - 2021**

Department of Chemistry
 Sree Kerala Varma College, Thrissur

Date: 18th March 2021
 Time: 2.30 pm

Join us on: meet.google.com/eeh-kzer-dtk

CHEMNEST's 9th Prof. TCK Menon memorial lecture

Dr. Sreespresanth Pulinthanathu Sree
 (Research Expert, Department of materials engineering,
 University of Leuven, Belgium)
Electron microscope approaches in designing catalysts for clean fuel

Mr. Robin Peeters
 Doctoral Researcher,
 Center for surface chemistry and catalysis, KU Leuven Belgium
Addressing the global water crisis- Technologies for fresh water production from atmospheric water vapour

Ms. Hannah Vanderschaeghe
 Doctoral Researcher,
 Center for surface chemistry and catalysis, KU Leuven Belgium
Chemistry and materials for fresh water production from atmospheric water vapour

Mr. Lander Hollvoet
 Doctoral Researcher,
 Center for surface chemistry and catalysis, KU Leuven Belgium
Green & energy efficient processes for ammonia production

To register, please click [here](#)
 Convenor: Dr. Raj Sanjiv Cheriyaedath (rajsanjiv@keralavarma.ac.in)

**CSIR-SUMMER RESEARCH TRAINING PROGRAM
 (CSIR-SRTP)2020 ONLINE**

CERTIFICATE

Name: GOPIKA U. SI. No.: CSIR/SRTP/2020/NEIST/1994

has completed all the requirements of the CSIR-Summer Research Training Program (CSIR-SRTP) 2020 online during June to August, 2020 coordinated by CSIR-NEIST, Jorhat

DR. G. NARAHARI SASTRY
 DIRECTOR
 CSIR-NORTH EAST INSTITUTE OF
 SCIENCE AND TECHNOLOGY

PROF. ALOK DHAWAN
 DIRECTOR
 CSIR-INDIAN INSTITUTE OF
 TOXICOLOGY RESEARCH

DR. SHEKHAR C. MANDE
 DIRECTOR GENERAL, CSIR
 SECRETARY, DRIS, GOVT. OF INDIA



**Certificate Course in Chemistry
 Water Analysis**

Organized By
 Department of Chemistry, NSS College, Nemmara

- Discussion on chemistry behind analytical procedures and permissible levels
- E-certificate after successful completion

Hands on training in Water Quality Analysis Test Kits

Starting from 4th January 2021

Co-ordinator: Dr Anoop S. Nair, Dept. of Chemistry, NSS College, Nemmara

N.S.S COLLEGE NEMMAR

P G DEPARTMENT OF CHEMISTRY

Annual report of Departmental Activities 2021-22.

Department secured a pass percentage of 93 and 91 in BSc and MSc respectively during the academic year 2020-21.

Department organized a webinar WED 2021 in relation with World Environmental Day 2021 on 05.06.2021. Dr Ambili V K was the Coordinator of the webinar. The webinar associated with an invited lecture on Chemistry and Environment by Dr R Vinayakan from NSS Hindu College Changanassery and an online drawing competition for students of various departments. Department organized a webinar series on research methodology of statistical thermodynamics for MSc chemistry students from 07.08.21 to 15.08.21. The programme was conducted in association with IQAC NSS College Nemmara. This webinar series involved four sessions lead by Mrs. Memsy C K from Mercy College Palakkad. Dr Ambili V K and Dr Priya S are the coordinators of the Programme.

Department of Chemistry took initiative to provide e books for students by sharing google drive link of e library created by the department as a part of Reading Day celebrations 2021 which help the students to overcome the limitations of availability of books during Covid 19 pandemic situation.

Department organized a webinar in relation with Ozone Day Celebrations on 16.09.2021. An invited talk was conducted by Dr Deepa J R, Assistant Professor, S. N College Kollam on Chemistry of Water Quality Research. Dr Anoop S Nair was the coordinator of the programme.

Department also conducted an Induction Programme for first year BSc students on 09.11.2021, which was aimed to improve research aptitude in chemistry and to discuss carrier opportunities in chemistry. Dr Ambili V K was the coordinator

of the programme and the session was handled by Dr Sandeep K, Post Doctoral fellow at University of Stratsbourg, France.

As part of the revised curriculum of 2019 Admission M.Sc. Chemistry Course, field visit to academic institutions or to any R&D center is made mandatory. To fulfil this, a Virtual tour to Department of Applied Chemistry CUSAT Cochin was conducted by the Department on 02.03.2022. The session was handled by Dr Suja Haridas and her research scholars.

Department conducted a webinar for final Year BSc chemistry students in association with PTM Govt. College Perithalmanna on 26.3.2022 for study tour report. Online demonstration classes were carried out by Dr Leena R, Department of Applied Chemistry CUSAT on the topic Instrumental Methods for Advanced Research.

Department provided a certificate course on '**Chemistry Among Us**' for the students of various departments which involved lectures on chemistry of daily use materials. The course also involved hands on training for sanitizer making, soap making etc. Dr Anoop S Nair was the coordinator of the Certificate Course.


NSS COLLEGE NEMMARA
 Post Graduate Department of Chemistry
World Environment Day - WED 2021
 June 5, 2021

INVITED LECTURE
 (via google meet at 2 pm)
CHEMISTRY & ENVIRONMENT
 Dr Vinayakan R, Assistant Professor,
 NSS Hindu College, Changanassery

Online Drawing Competition
 Registration link: <https://forms.gle/DKeMxxtBdfRXsPTG>

1ST PRIZE: 1,000/-
 2ND PRIZE: 750/-
 3RD PRIZE: 500/-


Send your paintings to
nssnmrchem@gmail.com


Webinar Link
<https://docs.google.com/forms/d/1VuhduUE0xvZto6tq92tGpRE-vNjuPwLTTQILWvSHOU/edit?usp=sharing>


Co-ordinator:
 Dr Ambili V K,
 Head,
 Dept of Chemistry,
 NSS College,
 Nemmara
 9446506687



WINNERS OF WORLD ENVIRONMENT DAY 2021 DRAWING COMPETITION
 ORGANISED BY PG DEPARTMENT OF CHEMISTRY NSS COLLEGE NEMMARA


1st Position
HIBA I
I BSc Zoology


II nd Position
SURAG C R
I BA Economics

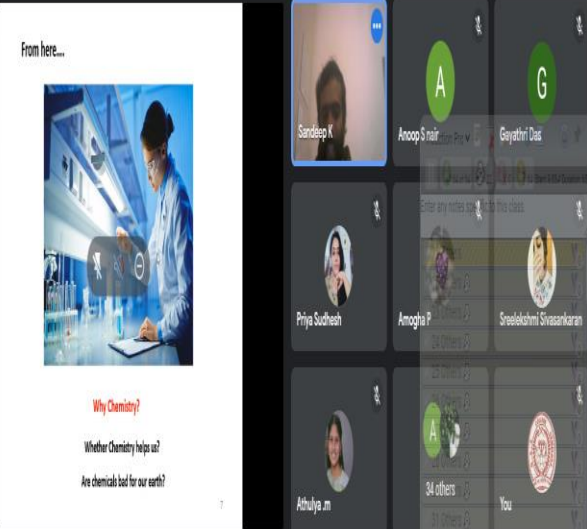

3rd Position
ADARSH V
I BSc Chemistry


Certificate of Achievement
 HIBA I, 1st Year BSc Zoology, NSS College Nemmara
 being **First Position** in drawing competition related to World Environment Day 2021


Certificate of Achievement
 SURAG C R, 1st Year BA Economics, NSS College Nemmara
 being **Second Position** in drawing competition related to World Environment Day 2021


Certificate of Achievement
 ADARSH V, 1st Year BSc Chemistry, NSS College Nemmara
 being **Third Position** in drawing competition related to World Environment Day 2021

From here...



Why Chemistry?
 Whether Chemistry helps us?
 Are chemicals bad for our earth?


N.S.S COLLEGE, NEMMARA
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WEBINAR SERIES
ON
RESEARCH METHODOLOGY OF
STATISTICAL THERMODYNAMICS
 Organized By
P G DEPARTMENT OF CHEMISTRY,
NSS COLLEGE, NEMMARA &
IQAC NSS COLLEGE NEMMARA
 Ms. Memsy C K
 Assistant Professor
 Mercy College Palakkad

Date : 7.8.2021, 8.8.2021, 14.8.2021 and 15.8.2021
Time : (11.00 a.m. to 12.00 p.m.)
Platform: GOOGLE MEET

Coordinators : Dr Ambili V K and Dr Priya S
 IQAC Co-ordinator Head Principal

For further details, please contact (Dept. of Chemistry):-

1. **Dr Ambili V K and Dr Priya S**
 (Co-ordinators)
 Assistant Professors
 (Ph: 9946506687, 9895386087, nssnmrchem@gmail.com)
2. **Dr Asha Bharathan**
 Assistant Professor
3. **Dr Anoop S Nair**
 Assistant Professor

Organising Committee
 Dr Jyothilekshmi P (Principal, NSS college Nemmara)
 Dr T Sreekumar (IQAC Co-ordinator)
 Dr Ambili V K (HOD, Dept of Chemistry, Co-ordinator)
 Dr Priya S (Co-ordinator)
 Dr Asha Bharathan
 Dr Anoop S Nair
 Dr Aswathi L B
 All Chemistry Students

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 Website: www.nssc.nemmara.ac.in
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WEBINAR ON INSTRUMENTAL METHODS FOR ADVANCED RESEARCH

Organized By
P G DEPARTMENT OF CHEMISTRY, NSS COLLEGE, NEMMARA
 &
DEPARTMENT OF CHEMISTRY P T M GOVERNMENT COLLEGE PERITHALMANNA

Resource person
Dr Leena R
 Assistant Professor
 Department of Applied Chemistry
 CUSAT

A VIRTUAL TOUR TO CUSAT

To Register
<https://forms.gle/bQMVPV34JC9JSXUK8>

Date : 26.3.2022 Platform: **GOOGLE MEET**
 Time : (10.00 a.m.) <https://meet.google.com/jiw-ehbn-wwa>

Co-ordinator Head Principal

NSS COLLEGE NEMMARA
P G DEPARTMENT OF CHEMISTRY
 A VIRTUAL TOUR TO CUSAT ON 26.03.2022
WEBINAR ON INSTRUMENTAL METHODS FOR ADVANCED RESEARCH

Certificate Course in Chemistry
CHEMISTRY AMONG US

Organized By
 Department of Chemistry, NSS College, Nemmara

- Chemistry of daily use materials
- Hands on Training available
- E certificate after successful completion

Hands on training in Sanitizer, Soap & Detergent Manufacture

Starting from **06th October 2021**

Co-ordinator: **Dr Anoop S. Nair, Dept. of Chemistry, NSS College, Nemmara**

To Register, click <https://forms.gle/sX5D8XLsWwun914R7>

NSS COLLEGE NEMMARA
Department of Chemistry
Report of Certificate Course 2021-2022

Name of Course: CHECC21 – Chemistry Among Us
 Duration – 30 Hours
 List of Students Enrolled – 93

A certificate course entitled "Chemistry Among Us" was organized by the Department of Chemistry with a view to demonstrate and make students realize the importance of chemistry in daily life and to observe chemistry in every real life situations.

A total of 93 students enrolled to the course and the course was designed for 30 hours including demonstrations of chemistry experienced in day to day activities. After successful completion and acquirement of minimum attendance, a test paper was conducted. Students who secured greater than 40 % was given an e-certificate.

Co-ordinator: **Dr Anoop S Nair**
 Head of Department: **Dr Ambili V K**

19 June 2021

EBooks Digital Library – Google Drive
<https://drive.google.com/drive/folders/1TdqGFPbZZiGfTcZnLHiljrCiSapZqyM?usp=sharing>

ഇന്ന് വായനാദിനം. Library സേവനം ലഭിക്കുക ബുദ്ധി മൂട്ടായ ഈ അവസരത്തിൽ department of chemistry നിങ്ങൾക്കായി ഒരു ചെറിയ ഡിജിറ്റൽ ലൈബ്രറി ഒരുക്കിയിരിക്കുന്നു. നമ്മുടെ chemistry subject related ആയ നിരവധി പുസ്തകങ്ങൾ നിങ്ങൾക്ക് ലഭിക്കും. ഡിജിറ്റൽ ലൈബ്രറി link മുകളിൽ നൽകിയിട്ടുണ്ട്. എല്ലാവർക്കും വായന ദിന ആശംസകൾ. Reading always help you to become a good human being.

EBooks Digital Library – Google Drive

Computat ... hemistry

Files

- Computational Chemistry Theories and Models
- Computational Chemistry Introduction to the Theory and Applications of Molecular and Quantum Mechanics
- Introduction to Computational Chemistry Second Edition

Christop ... 002).pdf, David Yo ... 001).pdf, Errol G. ... 2003).pdf, Frank Je ... 007).pdf

EBooks Digital Library – Google Drive

Organic Chemistry

- Modern Methods of Organic Synthesis
- ADVANCED ORGANIC CHEMISTRY
- Stereochemistry of Organic Compounds
- Reactive Intermediates in Organic Chemistry

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N.S.S COLLEGE NEMMAR
DEPARTMENT OF CHEMISTRY

Annual report of Departmental Activities 2022-23.

Department secured a pass percentage of 88 and 67 in BSc and MSc respectively during the academic year 2022-23. BSc topper Kavya P J secured 9th position in BSc Chemistry of University of Calicut.

The Department associated with an invited lecture series as part of the Prime Minister's Research Fellowship Programme, and it was conducted on 26th August, 14th September and 04th October 2022 by Abhijna Krishna R, Prime Minister's Research fellow, NIT Thiruchirappilly via online mode. The talk was performed on google meet platform. The various career opportunities that can be chosen after UG and PG programs in chemistry was thoroughly discussed.

Department conducted an Induction program on 17.11.2022 for first year BSc and MSc students with the financial support from PTA of the college. Dr Shyam S Nair, Assistant professor, Department of Chemistry Sree Keralavarma College Thrissur was the resource person. It was a lively interactive session on "Opportunities in Chemistry".

An invited talk to cover first semester PG portions in the topic "Research Methodology of Computational Chemistry" was organized and conducted by the Department of Chemistry on 31st January 2023. The meeting was inaugurated by the Principal Dr. T Sreekumar at 10 am. The invited lecture commenced at 10.20 am and was delivered by Dr. Rahul M. Ongungal, Assistant Professor, Yuvakshethra Institute of Management Studies, Palakkad. In the session, the speaker gave an overall idea about the field of computational chemistry, its applications and common tools required. He gave a hands-on experience by asking students to perform computational calculations. He also discussed the commands to execute various operations, softwares for performing computational calculations, etc.

Department conducted hands on training for soap making and distribute soaps to various departments and office.

Department conducted PTS meetings for all batch students.

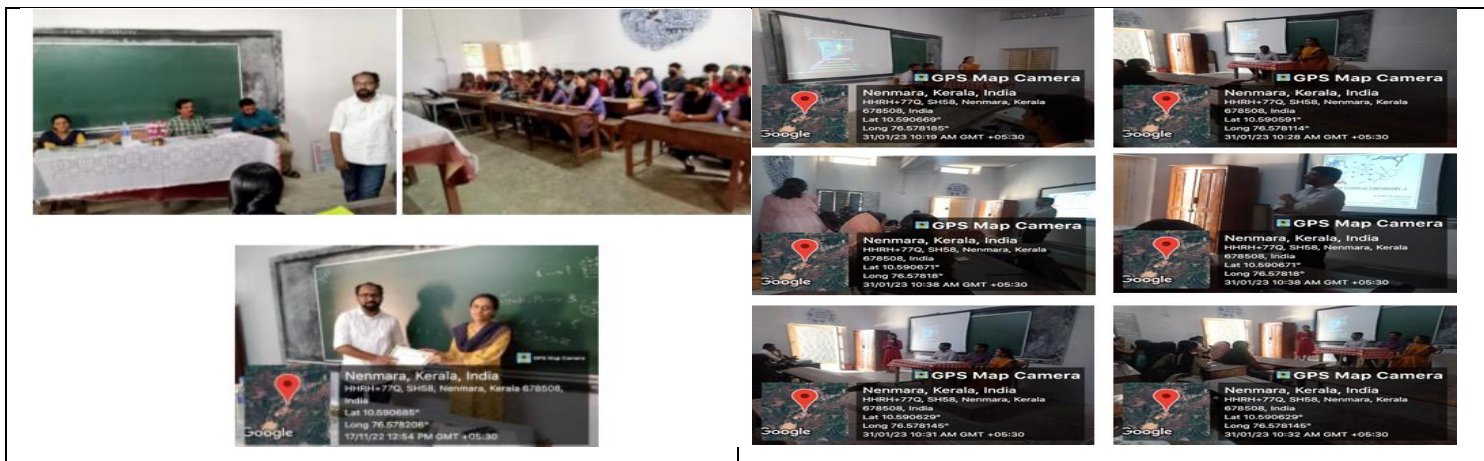
Department Coordinated an industrial visit to Rainbow Pipes Udipi for the final year degree students as a part of their curriculum on 20.02.2023 to 24.02.2023.

Department also conduct water analysis in Nemmara Panchayath carried out by the final year BSc students. Important parameters monitored were hardness, acidity, alkalinity, chloride content and pH of water. Students have also conducted an awareness of health issues of using hard water.

Department also associated with NSS units of the college in various activities. Department jointly participated in Harithalayam- The Carbon Free Green Campus which involves two yearlong projects and activities for Carbon neutral and Sustainable Campus.

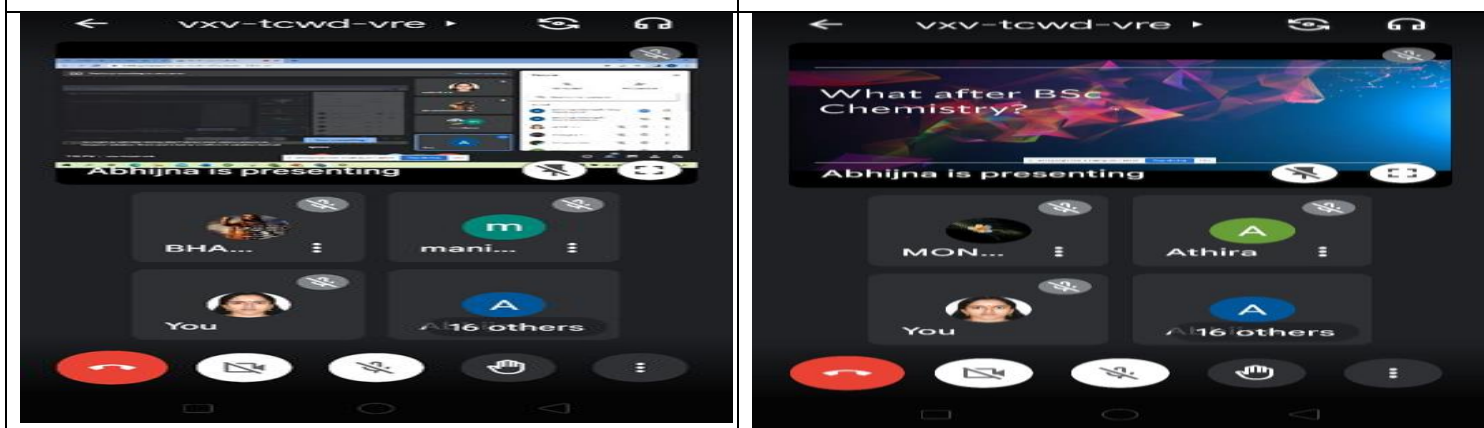
Department offered a certificate course on **‘Water Analysis and Chemistry in Daily Life’** for the students from various departments which involved classes on chemistry behind analytical procedures and permissible levels of water quality parameters. The course also involved hands on training in water quality analysis test kits, soap making, sanitizer making etc. Dr Anoop S Nair was the coordinator of the Certificate Course.

The Department also took initiative to organize and conduct PowerPoint presentations for both UG and PG students in connection with activities under PG forum and research committee of NSS College Nemmara.

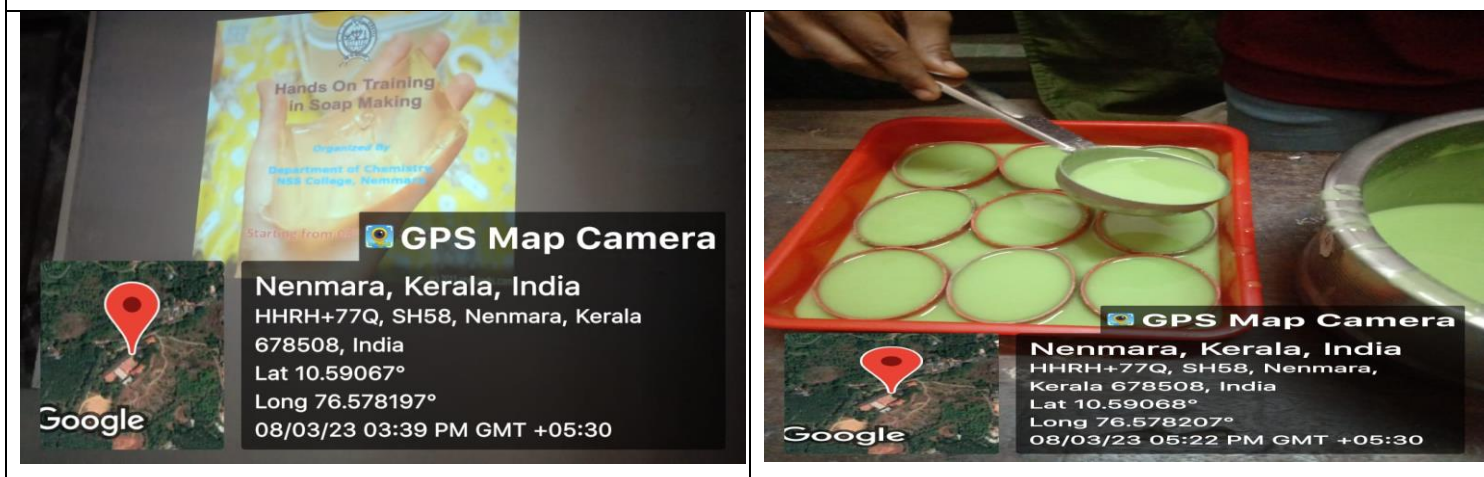


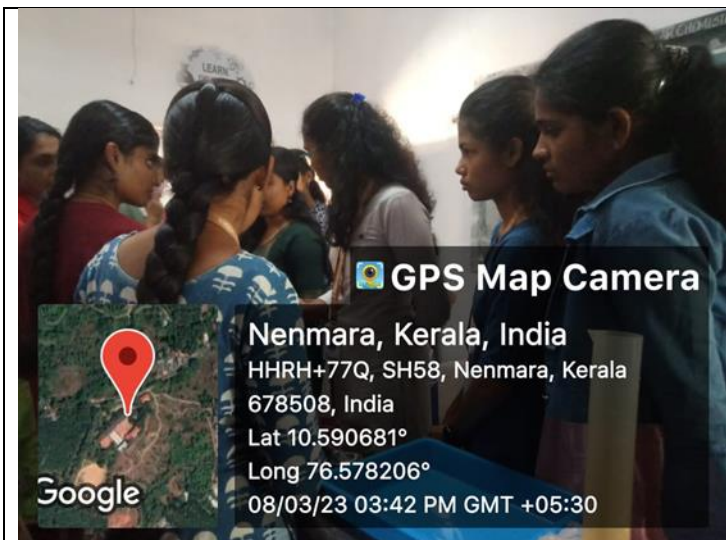
Induction program

Seminar on Research Methodology of Computational Chemistry



Career opportunities in chemistry PM scholarship Program





Soap making

Program Schedule

NSS Prayer
 Welcome Address:
 Prof Sanal Kumar S, Programme Officer
 National Service Scheme Unit No: 38
 Presidential Address:
 Dr Sreekumar T , Principal
 Inauguration of the programme.
 Inaugural Address: by Chief Guest.
 Topic : Carbon Neutrality-
 Challenges and Opportunities
 Dr R Mansu, Assistant Professor , Hod
 & Research Guide , PG Department
 of Chemistry , Sree Vyasa NSS
 College, Wadakkancherry, Trissur.
 Special Address: by Special Guest.
 Topic : Solar Energy & Carbon Neutral
 Priyesh K V , District Engineer
 Department of Power - Govt of Kerala,
 Palakkad

Felicitations:
 Dr Sreedevi N Kutty , Coordinator - IQAC
 Dr Lekshmi R Chandran, Coordinator -
 Nature Club
 Prof Jayalakshmy A Associate Prof and
 Hod, Dept of Physics
 Dr Ambili V K , Asst Professor & HoD PG
 Dept of Chemistry
 Dr Zereena Viji , Asst Professor & HoD,
 Dept of Botany .
 Prof Santhi Priya G Asst Professor & Hod
 Dept of Instrumentation

Vote of Thanks:
 Dr Asha Bharathan , Programme
 Officer National Service Scheme Unit
 No: 66
 National Anthem

NSS College Nenmara
National Service Scheme
 Unit No: 38 & 66, University of Calicut.

ANERT **IRTC**

in association with
 Dept of Agriculture, Nenmara - Govt of Kerala.
 Anert, Palakkad - Govt of Kerala.
 IRTC, Mundur, Palakkad - Govt of Kerala.
 IQAC, Nature Club, PG Dept of Chemistry,
 Dept of Botany, Physics, Instrumentation

Organises **"HARITHALAYAM"**
the carbon free Green Campus
 Grand Inauguration of
 Two year long Projects, Programs & Activities Under
 the Calicut University NSS Flagship Programme
"CARBON NEUTRAL & SUSTAINABLE CAMPUS"
 September 16, 2022. International Ozone Day

Dr Sreekumar T, Principal
 Dr Sreedevi N Kutty , Coordinator - IQAC
 Dr Lekshmi R Chandran, Coordinator - Nature Club @ Seminar Hall
 Prof Jayalakshmy - Dept of Physics 10 am.
 Dr Zereena Viji - Dept of Physics
 Prof Santhi Priya G - Dept of Instrumentation
 Dr Ambili V K - PG Dept of Chemistry
 Prof Sanal Kumar S, Programme Officer , National Service Scheme Unit No:
 Dr Asha Bharathan , Programme Officer , National Service Scheme Unit No:

Certificate Course in Chemistry
Water Analysis and
Chemistry in Daily Life

Organized By
Department of Chemistry, NSS College,
Nenmara

Hands on training in Sanitizer & Soap Manufacture

➤ Live demo of Water Analysis
 ➤ E-certificate after successful completion

Starting from 30th January 2023

Co-ordinator: Dr Anoop S. Nair, Dept. of Chemistry, NSS College, Nenmara
 To Register, click <https://forms.gle/FTjauPB53dN3rUWGA>