

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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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)₁₈ clusters

- ✓ Au₂₅(SG)₁₈ clusters show higher stability against etching depending on the core size.
- ✓ The Au_n(SG)₁₈ (n<25) clusters are completely oxidized to Au(I) (SG) complexes.
- ✓ The Au_n(SG)₁₈ (n<25) clusters are etched into Au₂₅(SG)₁₈

• PAGE analysis of the reaction product

Meeting details

People (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

Meeting details ^

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
Sectoral 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
Sectoral Researcher,
Center for surface chemistry and catalysis, KU Leuven Belgium
Chemistry and materials for fresh water production from atmospheric water vapour

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

To register, please click [here](#)
Convener: Dr. Raj Sanjiv Cheriyedath (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