

Koneru Lakshmaiah Education Foundation (Category -1, Deemed to be University estd. u/s. 3 of the UGC Act, 1956) Accredited by NAAC as 'A++' & Approved by AICTE & ISO 21001:2018 Certified Campus: Green Fields, Vaddeswaram - 522 302, Guntur District, Andhra Pradesh, INDIA. Phone No. +91 8645 - 350 200; www.klef.ac.in; www.klef.edu.in; www.kluniversity.in Admin Off: 29-36-38, Museum Road, Governorpet, Vijayawada - 520 002, Ph: +91 - 866 - 3500122, 2576129

## DEPARTMENT OF CHEMISTRY <u>REPORT ON ALUMNI CONTRIBUTION</u> KLEF/ CHEM / IQAC - STUDENT/ SQ.9/ Alumni Contribution KL Chem Neon Lights- Alumni Association

Date: 30-01-2021

Time:12:00 PM to 1:00 PM

Link: <u>https://meet.google.com/ctj-pybf-zie</u>

Number of faculty attended: 9

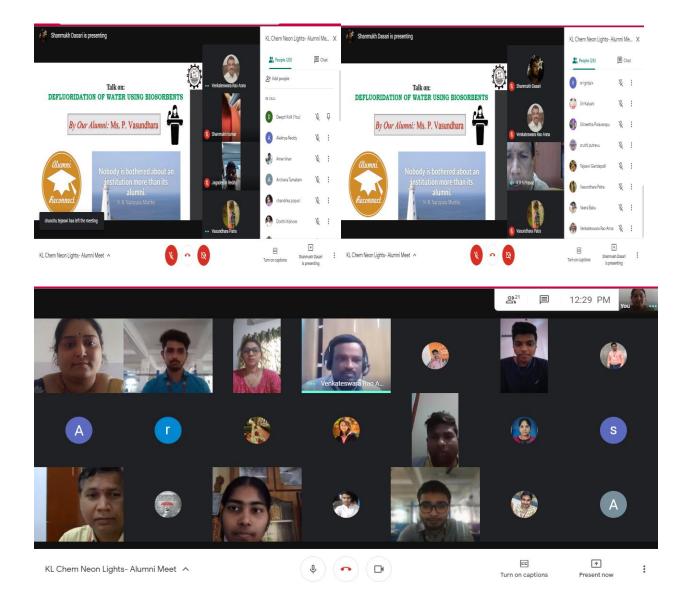
Number of students and scholars attended: 30

Number of Alumni attended: 11

Name of the activity: Guest Lecture by aluminus Ms. P. Vasundhara on "Defluoridation of water using biosorbents"

## Summary:

Water is one of the most vital components for all forms of life and is indespensable to the maintenance of life on the earth. Water may be contaminated by natural sources and by individual effluents. One of which contaminant is fluoride as it has profound effect on teeth and bones. Defluoridation is the adjustment of level of fluoride in drinking water to the optimal level. Various methods like precipitation methods, ion- exchange process, membrane filtration process, nano filtration, electro- coagulation and Adsorption are used for defluoridation. Many biosorbents are used for the process. The alkali treated M. oleifera seed powder was found better than acid M. oliefera seed powder for fluoride ion removal. The removal by adsorption increases as the pH value increases.



**Faculty In Charge** 

## Head of the Department