

Annual Report of Chemistry Department in Session 2019-20

I) Participation in State level & Inter-Collegiate Seminar Competition :-

Mr. Shubham R. Karhade of B.Sc.II year student participated in **University level Seminar Competition** jointly organized by Amravati University Chemistry Teacher Association, Amravati and Vidya Bharti Mahavidyalaya, Amravati on 26 September 2019.

Mr. Ganesh S. Warade & Mr. Shubham R. Gadkar of B.Sc.-III year students participated in **State level Seminar Competition** organized by G.S. College, Khamgaon on 6th February 2020.

II) Participation in Stale Level Research Convention AVISHKAR 2019-20

Ku. Kiran Suresh Tayade of B.Sc.-II year student participated in **14th Maharashtra State Inter-University AVISHKAR 2019-20** organised by University of Mumbai on January 28-31, 2020.

III) Participation in University Level Research Convention AVISHKAR 2019-20

Ku. Kiran Suresh Tayade and Ku. Vaishnavi Vilas Cheke of B.Sc.-II year students participated in **14th Intra University research convention** organized by SGB Amravati University, Amravati during January 14,15, 2020.

IV) Participation in District Level Research Convention AVISHKAR 2019-20

12 students (6 Project) participated in **District Level Research Convention AVISHKAR 2019-20** organized by Pankaj Laddhad Institute of Technology and Management studies on 10 January 2020.

V) Participation in Inter-Collegiate Chemi quiz Competition :-

Mr. Ganesh Sonone & Mr. Abhijit More of B.Sc.-I year student participated in Inter-collegiate Chemi quiz Competition organized by Amravati University Chemistry Teacher Association, Amravati at Gulam Nabi Azad Arts, Commerce & Science College, Barshitakli.

VI) Participation in General Aptitude Test (GAT) 2020 :-

42 students of B.Sc-III participated in General Aptitude Test (GAT) 2020 organized by Amravati University Chemistry Teacher Association, Amravati conducted at Shri Shivaji College, Chikhli on 26 February 2020.

VII) Guest Lecture for B.Sc.-III :

Dr. M.G. Dhonde, HOD of Chemistry Department in Mohota Science College, Nagpur delivered **guest lecture on NMR Spectroscopy** for B.Sc.-III students on 31 Dec. 2019.

Dr. C.S. Bhaskar, HOD of Chemistry Department in Taywade College, Koradi delivered guest lecture on **IR Spectroscopy** for B.Sc.-III students on 31 Dec. 2019.

VII) Seminar and Special Projects:-

The students of B. Sc III & B.Sc-II were allotted seminar and project. The special projects for B.Sc II students were given such as analysis of water. The students analyzed some parameters like P^H , alkalinity and acidic level to know purity of soil and water. Such type of activity is helpful for awareness from contamination soil and water. The obtained results are correlated and coincide with standard value.

The students of B.Sc.-III and B.Sc.-II presented seminar on LCD Projector as well as on Black Board. Around 200 students actively participated and presented their seminars. Students also solve their numeric problem, physical chemistry derivation, Organic and Inorganic reaction and mechanism through the group discussion. They use chemdraw software and models for presentation. The students were also given projects to prepare the concerned topic. The students gave good response to the activity. Such type of activity was consistently taken to upgrade subject knowledge of the students.

VII) Water Testing(Analysis) of drinking water carried out From Chikhli region :-

Potable water, floating water, sea water and lake water contamination is a burning problem now a days. The number of diseases came into being which affect plant, animal and human being. This is caused by mixing of heavy metals, metalloids, industrial influents in water of ecosystem. According to protocol of World Health Organization (WHO) guidelines for drinking water quality for India is - water should be odourless, colourless, transparent, no suspended particle, neutral in nature at P^H 7, non soapy nature, free chemical content, useful mineral content (as per norm), TDS must be 50 ppm to 150 ppm in average and 1 to 1.5 us electrical conductivity.

Our Chemistry Department has taken initiative to check the quality of water by measuring some parameter i.e. TDS, Electrical conductivity by ELICO-TDS analyser, P^H by P^H -Meter, Acidity-alkalinity, Colour and Odour property by chemical method. The special projects on Analysis of water given to B.Sc II students to Check Water quality in their residential area. Thus Department of Chemistry provide information about quality of drinking water in different area of Chikhli and Surrounding.