

RayatShikshan Sanstha's
Yashavantrao Chavan Institute of Science, Satara (Autonomous)
Department of Chemistry
Guest Lecture Series
Under
Best Practice-Alchemy
12th October, 2022
Report

“Exploitation of click Chemistry: Our contribution”

Department of Chemistry organized Alchemy lecture held on 12th October 2022 by online mode on Google meet: <https://meet.google.com/tnm-dxvc-emx>

Venue: Karmveer

Auditorium

Resource Person: Prof. Dr. B. B. Shingate

Department of Chemistry, BAMU, Aurangabad.

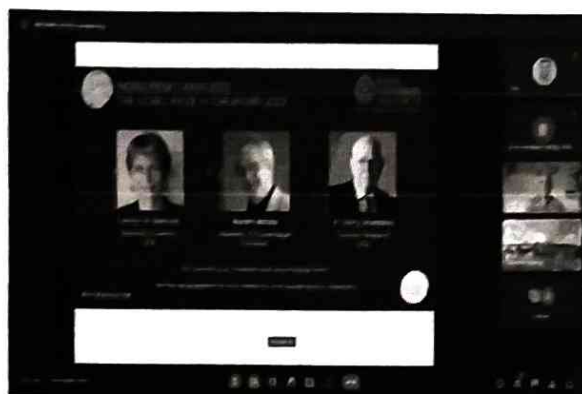
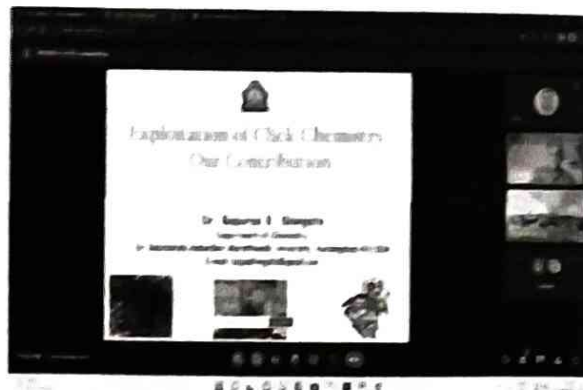
On 12th September 2022 at 11:00 am lecture of ALCHEMY lecture series Welcome address was given by Dr. Mrs. S. T. Mahanwar, Head Department of Chemistry, YCIS. Satara. President for inaugural function Prin. Dr. B. T. Jadhav. Dr. S. B. Kamble introduce Prof. Dr. B. B. Shingate.

Prof. Dr. B. B. Shingate delivered speech on click Chemistry, he highlight Nobel prize 2022 in chemistry to Carolyn R. Bertozzi, Morten Meldal and K. Barry Sharpless for the development of click chemistry and bio orthogonal chemistry. Frist report in 2010 on click chemistry. Then he talk on Anti Tuberculosis, anti-fungal & anti-cancer drugs and its structural properties. He also focused on triazole structural futhures and its synthesis, Carolyn R. Bertozzi invented same concept in living cell with the help of click chemistry to form triazole. Triazole applications in pharmaceutical, polymer and material science, He presented his published work in well reported journals with high impact factors, with phenol based triazole, Biaryl based triazoles, Acetamide based triazoles, benzothiozone based triazoles, 2,4 thiazolidine based triazoles, isatin based triazoles he also resived Indian papent on

polycyclic triazoles, 1,2,3 triazole bis indolymethane, triazole bis coumarin synthesis at room temperature, in green solvent at 3 to 7 hrs. spectral analysis by NMR. IR, etc. Biological study, anti cancer, anti fungal and anti bacterial activity. He also talk on molecular docking study of triazoles.

Dr. Ms. S. T. Mahanawar conclude the lecture, Dr. V. B. Ghanwat Proposed vote of thanks, Mrs. P. S. Kadam anchored the lecture. For this lecture 135 and 110 student of M.Sc. I and II years respectively and 22 faculties of Chemistry department attended physically and 4 students from Micro biology and Biotechnology attend lecture online. Mr. Digne provided technical support for this lecture.





Arora
Co Ordinator
Alchemy Lecture Series
YCIS, Satara

Shrivastava
Head,
Department of Chemistry,