

Activities of Department of Chemistry

Extension activities

- Chemistry Talent Search Examination for B.Sc. I students by Moolji Jaitha College of North Maharashtra University, Jalgaon.
- Organized "Holi Rangotutsav" use of herbal colors for holi to avoid the synthetic colors which are responsible for corrosive and carcinogenic effect on skin, human health and water.
- Analysis of edible oil in the region of Balapur, Akot and East Akola. The owner of small extraction units of edible oil are instructed for maintenance of cleanliness of their units to avoid the contamination of lipase in the edible oil.
- Studied Physico chemical characteristics of water samples from different parts of Akola District.
- Guidance to high school students of Akola for their Science Projects and Olympiad.
- Department organizes science exhibition in College School. Purpose is to promote scientific culture and temperament for the upliftment of knowledge.
- Intercollegiate Quiz competitions for B.Sc. I students per year.
- Intercollegiate seminar competitions for B.Sc. II, M.Sc. I & II students per year
- Aptitude test for B.Sc. III students per year Organizing intercollegiate events like Paper /Poster and Seminar competition, Debate, Quiz, Aptitude Test.
- Celebration of Teachers Day, Children's Day, Environment Day, Ozone Day, International Women's Day, Consumer Day and National Science Day.
- The broad areas of extension activities are soil analysis, water analysis, fertilizer analysis and environment awareness through Science Exhibition and Poster Competition.

STUDENTS SUPPORTS



International Ozone Day 2018



International Ozone Day 2019



International Ozone Day 2019



International Ozone Day 2021



Group Discussion 2019



Interaction with NET SET Qualified Alumni



Inauguration ceremony of Intercollegiate Chemi-Quiz Competition



Participation of Students from different colleges in Final Round of Chemi-Quiz



Prize winner students of different colleges with Faculty

STUDENTS SUPPORTS-INDUSTRIAL VISIT



Research Institution [CSIR IICT Hyderabad] 2019



Excursion Tour Amul Industry
Anand Gujrat



Maharashtra Industrial Development Corporation Akola 2019



Preparation of sanitizer

According to WHO the contaminated surfaces can be decontaminated within a minute using common surface disinfection procedures with 62–71% ethanol, 0.5% hydrogen peroxide, or 0.1% sodium hypochlorite. Further, the same study explains that the degree of effectiveness of all the surface disinfect is dependent on their concentration and exposure time. Therefore, it is imperative to clean the surface with soap and water before applying any surface disinfectant. In a review on intervention to prevent COVID-19.

Therefore, Department of Chemistry as a moral responsibility towards community try to help COVID Warriors. Head Department of Chemistry Dr. G. V. Korpe and other teaching and no-teaching staff members of the department prepare 0.1% hypochlorite solution for sanitization of Police Petrol Van and nearby area during Pandemic. Dr. G. V. Korpe demonstrate the preparation of sanitizer and also aware to take precautions while handling surface sanitizer. Department also take initiative for the preparation of hand sanitizer for staff members and students of the institute. With the help of Entrepreneur cell distribution and selling of hand sanitizer bottles to students and staff members take place. Superintendent of Police appreciate this activity of Dr. G.V. Korpe and all staff members of the Department.



दिव्य मराठी विशेष • केमिस्ट्री विभागाने तयार केलेल्या सॅनिटायझरचा विद्यार्थ्यांनाही केला जातो पुरवठा

'शिवाजी'कडून 300 लिटर सॅनिटायझर निर्मिती

प्रतिनिधी | अकोला

कोरोना संक्रमणाच्या काळात श्री शिवाजी महाविद्यालयातील केमिस्ट्री विभागाच्या वतीने महाविद्यालयात आतापर्यंत तब्बल 300 लिटर बाँबी सॅनिटायझर बनवण्यात आले आहे. महाविद्यालयातील विविध विभाग आणि विद्यार्थ्यांसाठी विभागातर्फे सॅनिटायझरची निर्मिती करण्यात येते.

श्री शिवाजी महाविद्यालयात सुमारे 24 विभाग आहेत. प्रत्येक विभागातील निर्र्जुतीकरण, प्राध्यापक, कर्मचारी आणि विद्यार्थ्यांसाठी सॅनिटायझरची मोठी गरज भासते. त्या अनुषंगाने केमिस्ट्री विभागाच्या वतीने आतापर्यंत तब्बल 300 लिटर बाँबी



निर्र्जुतीकरणविषयी पोलिसांना मार्गदर्शन करताना शिवाजी महाविद्यालयाचे प्राध्यापक.

निळ्या सॅनिटायझरमध्ये या रसायनांचा केला वापर

केमिस्ट्री विभागाच्या वतीने इथेनॉल, स्पीसरीन, हायड्रोजन पेरॉक्साइड व पाणी या चार घटकांचा वापर करून सॅनिटायझरची निर्मिती करण्यात येते. जागतिक आरोग्य संघटनेच्या मार्गदर्शक सूचनेनुसार या घटकांचा वापर करण्यात येतो. यामध्ये 10 टक्के पाणी, 4% टक्के इथेनॉल, 1 टक्के ग्लिसरीन व हायड्रोजन पेरॉक्साइड या प्रमाणात वापर केला जातो. निळ्या रंगात हे सॅनिटायझर तयार करण्यात आले आहे.

निर्र्जुतीकरणासाठी ठरते सहाय्य

महाविद्यालयातील केमिस्ट्री विभागाच्या वतीने पोलिस वर्तनचे सॅनिटायझर काल्याच्या कमात सोडियम हायड्रोक्साईडचा पुरवठा करून त्याच्या वापरा संबंधी मार्गदर्शन केले. कोरोनाचे संक्रमण अधिक होते तेव्हा दररोज पोलिसांच्या वर्तन आणि कार मिळून 10 ते 100 वाड्यांचे निर्र्जुतीकरण करण्यात आले. शिवाजी महाविद्यालयाच्या या उपक्रमाचे स्वागत होत आहे.

जागतिक आरोग्य संघटनेच्या मार्गदर्शक सूचनेनुसार रसायनिक घटकांचा केंद्र वापर

श्री शिवाजी महाविद्यालयातील विविध 24 विभागांसाठी आतापर्यंत 300 लिटर सॅनिटायझरची निर्मिती करण्यात आली. जागतिक आरोग्य संघटनेने साहित्याच्या सूचनेनुसार रसायनिक घटकांचा वापर करण्यात आला आहे. सर्व प्राध्यापक, कर्मचाऱ्यांचे यासाठी सहकार्य लाभत आहे. - डॉ. गजानन कोरपे, रसायनशास्त्र विभाग प्रमुख, श्री शिवाजी महाविद्यालय, अकोला.



पोलीस अधीक्षक, अकोला यांचे कार्यालय,
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No SPA/PWI/COVID-19/ 0295 /2021 Akola dt. 11 FEB 2021

To,
The Principal,
Shri Shivaji College of Arts,
Commerce and Science, Akola

Dear sir,

We hope you and your family are safe and doing well.

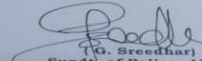
We'd like to appreciate and give big thanks to your Chemistry Department colleagues for distribution of indigenously developed sanitizer tour police staff and helping us in sanitizing our police patrol vehicles.

We're truly inspired by your personal commitment to making a difference in these unprecedented and challenging times of COVID - 19. Your approach embodies the trust and care in finding ways to address burning and pressing societal issues, to work out things in an innovative manner, and make continuous improvement. This includes coming up with practical tools and techniques that are developed indigenously to make things better for our society.

I would like to make a special mention Professor (Dr.) Gajanan V. Korpe, Head, Department of Chemistry and all the teaching and non-teaching members of the department in particular and college in general.

Thanking You,




(G. Sreedhar)
Supdt. of Police, Akola