



Vision :

- To be amongst the top ten Pharmacy Colleges in India by imparting excellence in Pharmacy education.
- Instilling research temperament in Pharmacy student.
- Continuous upgradation of infrastructure to maintain high standards of education.

Mission :

- Inculcating timeless values of caliber, confidence and conscience in budding pharmacists.
- Indoctrinate quality in all aspects of Pharmacy education thereby enabling provision of better healthcare services.

Quality Policy :

- The AISSMS College of Pharmacy is committed to empower our students to meet global challenges in Pharmacy profession through excellence in education.
- Our highly qualified and committed faculty is constantly exploring newer frontiers of knowledge with the intention to build quality pharmacist.
- We believe in honing the overall persona of our students through excellence in academics, co-curricular and extracurricular activities.
- We strive to develop a sense of social obligation and discipline among our students not only to make them better technocrat but also a better human being.

Objectives :

- To provide sufficient understanding of scientific principles and techniques of pharmaceutical sciences.
- To develop comprehensive knowledge and experience.
- To provide exposure to latest techniques and technologies.
- To teach pharmacy ethics to students.
- To cater to manpower for globally growing pharmaceutical industry and for implementation of drug laws for compliance to regulatory norms.

For Contact :

Phone : +91-20-26058204 | **Fax :** +91-20-26058208

Email : contact @aiissmscop.com

Web : www.aiissmscop.com

Content

▪ Vision & Mission	01
▪ Editorial	02
▪ News & Events	03
▪ News and Events (July-Sept 2022):	05
▪ Upcoming News	05
▪ Did You Know	05
▪ Scope of Pharmacy	06
▪ Theme	07
▪ Editorial Board	08

Editorial:

With the blessings of heavy showers, AISSMS COP welcomed the monsoon with much delight and happiness. No matter how much inconvenience the rains brought to easy traveling, the unusual excitement and refreshing air was undeniably gratifying. And it was this newness in the environment and goodbyes to tiresome summers that brought novelty in thoughts and ideas. With the rain outside the windows, the students of AISSMS COP found themselves engrossed in laboratories and classrooms listening to the delightful music of showers.

No wonder we have bagged prizes this time, along with budding ideas to undertake new projects. Let's walk through the news and events that brought colours to our campus, followed by much deserved attention to the drug that showed 100% cancer cure rates. We will also explore this time, the flourishing role of artificial intelligence in pharmaceutical industries along with the companies working upon it. And last but not the least, the importance of world ozone day.

Hope by the end of this issue, you leave with an addition to your trove of knowledge.

Keep Reading!
Team Pharmavoice.

1. "There are only two ways to live your life. One is as though nothing is a miracle.
The other is as though everything is a miracle."

- Albert Einstein



News and Events

“Swayam Sajagta”

Date : 11th Aug. 2022

Time : 9:30 am to 2:00 pm

Audience/Attended by : B. Pharm. students at
SY, TY and Final year students

Organized by : IQAC coordinator Dr. Mrinalini
Damle

Description: IQAC (Internal Quality Assurance Cell) organized sessions for B.Pharm. students on the theme of promotion of “Self –learning”. The SWAYAM Ambassador for 2022-23 at our college, Ms. Jidnyasa Jain, explained how to check for online courses from different domains and durations. Students were motivated to take up a course of their choice either first session (July to Dec) or second session (Jan. to April).

Total number of Students: About 250

For B. Pharm. students



HPLC Training for M. Pharm. students

Date : 12th Aug. 2022

Time : 11:00 am to 4:00 pm

Audience/Attended by : M. Pharm. students
(Quality Assurance) + Ph.D. student

Organized by : Dr. Mrinalini Damle

Training by : Expert Engineer Mr. Anupam Giri

Description: Students were trained on the correct method of operation of HPLC systems and minor troubleshooting.



Industry Visit and Meeting

Date : 23rd March 2022

Audience/Attended by : Dr. MR. Bhalekar,
Dr. R. N. Mirajkar, Dr. R. R. Padalkar

Staff from the Pharmaceuticals department visited Emcure Pharmaceuticals Bhosari Pune, for discussion with Dr. Vikram Gharge, Associate Director and his colleagues from different departments of the industry for collaboration opportunities. The various discussion points were having MOU for different collaborative activities, allowing M. Pharm students for conducting projects in industry, industry research projects at our institute, joint publications, lectures by Scientists at our institute and gifting of equipment. Discussion was also done on finalizing the Industry Expert from Emcure for conducting the department activity for the Industry Defined Problem Solving Competition scheduled between 11th to 13th April 2022.

A round of the R&D facility was conducted where the staff got the opportunity to see all the departments at the site.

Meeting with Industry

Date : 19th June 2022

**Audience/Attended by : Dr. R. N. Mirajkar,
Dr. R. R. Padalkar**

Description: Staff from the Pharmaceutics department visited Emcure Pharmaceuticals Bhosari Pune , for discussion with Dr. Vikram Gharge, Associate Director and his colleagues from different departments of the industry. The various discussion points included giving thanks letter to the Industry Experts from Emcure for conducting the department activity for the Industry Defined Problem Solving Competition conducted between 11th to 13th April 2022 and discussion about the status of the MOU for different collaborative activities.

In-House Research Project Competition

Date : 2nd Sept. 2022

Time: 2:00pm to 5:00 pm

Audience/Attended by : Twelve teams who had registered and completed in-house research projects in the academic year 2021-22, participated in the event.

Organized by: Dr. M.R. Bhalekar and Dr. Mrinalini Damle

Description: Mr. Dhananjay Bhide, QA Manage, Eisen Pharmaceuticals, Pune was invited as the judge for the competition. He evaluated the project presentations on various parameters viz. technical contents, knowledge gained, quality of presentation, project outcome in terms of presentation/publication etc. A certificate and cash prize was presented to the winner team and Runner-up team



Winning team comprising of Ms Sakshi, Ms Tanmaya, MsGirija, Ms Jyoti receiving certificate from Mr. Dhananjay Bhide who evaluated the presentations.



Runner-up team comprising Mr.Jayesh Awad and Ms Rutuja Londhe receiving certificate from Mr. Dhananjay Bhide who evaluated the presentations.

**"Life is like riding a bicycle.
To keep your balance, you must keep moving."
- Albert Einstein**

**"Try not to become a man of success.
Rather become a man of value."
- Albert Einstein**

News and Events (July-Sept 2022):



Tanmaya Vyas, Sakshi Bagal, Jyoti Kupate, and Girija Kulkarni won the undergraduate college in-house research project competition on 2nd September under the guidance of Dr. Reshma Mirajkar.

Upcoming News (July-Sept 2022):

1. National Level Faculty Development Programme followed by the topic Assessment strategy for OBE: Mapping and Attainment, on 12th September 2022.
2. One-day webinar on "Quality Sustenance and Quality improvement: Issues and Challenges" on 20th September 22.
3. IIC organized state level poster presentation competition on 21st Sept 22.
4. World Pharmacist Day on 25th Sept
5. Personality Development Program for M.Pharmacy students
6. A state level poster presentation competition in the

month of November 22.

7. National Level Elocution Competition to celebrate 75th year of Pharmacy Act

8. Ranagan the sports arena on November 22.

Did You Know:

DRUG THAT SHOWED 100% CANCER CURE RATES

Hearing that you have cancer can be stressful and frightening. Knowing what to expect from diagnosis to recovery can empower you and help you take control of your health. Cancer is a disease that develops when cells in your body divide at a faster rate than normal. These abnormal cells grow into a lump or tumor. Cancer is a common disease that can affect almost every part of your body. About 39.5% of all people will be diagnosed with cancer at some point in their lives.

But as it is said that there's always hope in the darkness, a modest clinical trial found that, in what appears to be a miracle and a "first in history," every single rectal cancer patient who received an experimental treatment had their disease disappear. In a small clinical experiment conducted by Memorial Sloan Kettering Cancer Center, Dostarlimab was administered to 18 patients for six months. As reported in the New York Times, after the trial, all of the patients' tumors shrank. According to experts, no physical examination, endoscopy, positron emission tomography, PET scans, or MRI scans can detect the tumor. This demonstrates that Dostarlimab may be a possible cancer treatment. According to Memorial Sloan Kettering Cancer Center's Dr. Luis A. Diaz J this is "the first time this has happened in the history of cancer. Dostarlimab is a medication created in a lab that, substitutes for antibodies in the human body's worst tumors."

The New York Times reports that patients in the clinical experiment had previously undergone therapies like chemotherapy, radiation therapy, and invasive surgery, all of which have the potential to result in bowel, urinary, and sexual problems. The 18 patients were anticipated to have these operations in the next phase of the investigation.

They were shocked to discover that they didn't need any further therapy, though. The trial's results surprised

experts, who claimed that total remission in every single patient is unheard-of. Dr. Alan P. Venook, a colon cancer expert at the University of California, stated that it is unheard of for every patient to experience complete remission. He praised the study as the first in the globe. Because not every person in the study encountered severe adverse effects from the pharmaceutical trial, experts commended the research.

The patients took Dostarlimab for six months every three weeks during the experiment, according to medical professionals. "Notably, they were all at around the same stage of malignancy. Although cancer had not yet migrated to other organs, it had locally advanced in the rectum ", said physicians. The medication appears to be promising, but a larger-scale experiment is necessary, say cancer researchers.

REFERENCE:- livemint.com

Scope of Pharmacy:

Artificial Intelligence in Pharmaceutical Industry

The use of artificial intelligence and development processes. Start-ups are exploring the use of these technologies to address the various challenges in the pharma industry, such as automation and optimization of the manufacturing processes, as well as designing effective marketing and post-launch strategies. Patient identification is a crucial step in drug discovery and development, especially for clinical trials. AI simplifies the identification of eligibility criteria and the inclusion of patients and also makes the cohort identification process faster and cheaper.

The advancement of computing and technology has invaded all the dimensions of science. Artificial intelligence (AI) is one core branch of Computer Science, which has percolated to all the arenas of science and technology, from core engineering to medicines. Thus, AI has found its way to application in the field of medicinal chemistry and health care. The conventional methods of drug design have been replaced by computer-aided designs of drugs in recent times. AI is being used extensively to improve the design techniques and required time of the drugs. Additionally, the target proteins can be conveniently identified using AI, which enhances the success rate of

the designed drug. AI technology is used in each step of the drug-designing procedure, which decreases the health hazards related to preclinical trials and also reduces the cost substantially. AI is an effective tool for data mining based on the huge pharmacological data and machine learning process. Hence, AI has been used in de novo drug design, activity scoring, virtual screening, and in silico evaluation of the properties (absorption, distribution, metabolism, excretion, and toxicity) of a drug molecule. Various pharmaceutical companies have teamed up with AI companies for faster progress in the field of drug development, along with the healthcare system. The review covers various aspects of AI (Machine learning, Deep learning, Artificial neural networks) in drug design. It also provides a brief overview of the recent progress by pharmaceutical companies in drug discovery by associating with different AI companies.

Start-ups involved:-

1) Pangaea Data – Patient Cohort Identification

Pangaea data is a British start-up that uses unsupervised AI algorithms to identify patient cohorts for drug discovery, clinical trials, and real-world evidence (RWE) studies. The machine learning-based software scans through electronic health records (EHR) and unstructured doctors' notes to find the right patients based on phenotypes. The start-up also develops a library of AI models for different disease areas.

Websites and Contact Details: <https://www.panacea-data.co.uk/>

2) InVivo AI – Drug Discovery

Canadian start-up InVivo AI develops novel algorithms for drug discovery. The start-up uses different machine learning approaches, such as few-shot learning, reinforcement learning, active learning, and representation learning, to aid the drug discovery process. The deep learning solution uses small and noisy datasets to predict and optimize potential drug candidates, further eliminating the need for large datasets.

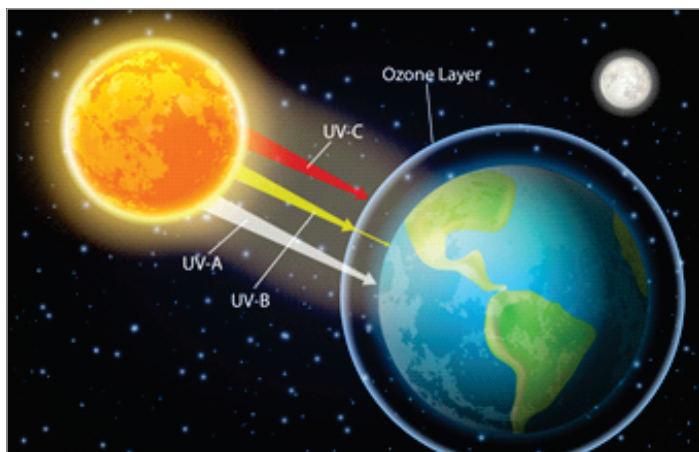
6. A state level poster presentation competition in the month of November 22.

7. National Level Elocution Competition to celebrate 75th year of Pharmacy Act

8. Ranagan the sports arena on November 22.

Theme:

World Ozone Day



“The most beautiful experience we can have is the mysterious.
It is the fundamental emotion that stands at the cradle of true art and true science.”

- Albert Einstein

Editorial Board:



(Sitting from left to right)

Mrs. Tejaswini Jagtap (Faculty member)

Dr. Tina Saldanha (Faculty member)

Dr. Ashwini Madgulkar (Principal)

Mrs. Shivani Rao (Faculty member)

(Standing from left to right)

Mr. Sudarshan Galgunde (M. Pharm)

Ms. Purva Kalel (Final Yr. B.Pharm)

Mr. Prasad Kalekar (Third Yr. B.Pharm)

Ms. Prachi Divate (Second Yr. B.Pharm)

1."The world as we have created it is a process of our thinking.
It cannot be changed without changing our thinking."

- Albert Einstein