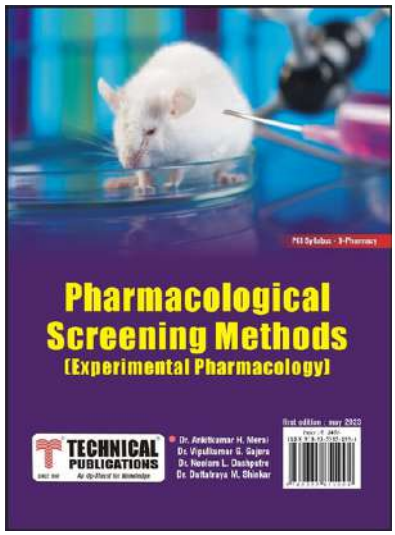
ROFEL Shri G M Bilakhia College of Pharmacy

Experience Innovation in Education

Approved by Pharmacy Council of India (PCI) and Affiliated to GUJARAT TECHNOLOGICAL UNIVERSITY (GTU), AHMEDABAD

An ISO 9001:2015 & ISO 29990:2010 Certified Institution

Highlight of the Month



our faculty Dr.Ankit Merai published book on pharmacological screening methods

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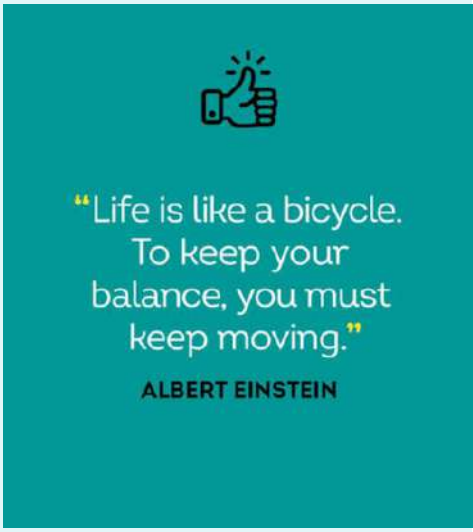
Thought of the day



WORKSHOP

REPORT ON BASIC LIFE SUPPORT TRAINING WORKSHOP

Shalby Education academy, Surat and Shalby Hospital Vapi jointly in Collaboration with ROFEL Shri G M Bilakhia College of Pharmacy Organised 1 day training workshop on Basic Life Support to Pharmacy Students. Mrs Gayatri Nath, A certified BLS Traininer from Shalby Education Academy, Surat explained Cardiopulmonary resuscitation (CPR) is used as Basic Life Support (BLS) to maintain the patient's circulation and breathing until advanced life support arrives. The chances of survival are higher for victims who have received prompt and appropriate BLS care since they will be more oxygenated and more receptive to advanced approaches for resuscitation. Followed by Explanation Mrs Gayatri Nath gave practical demonstration on manikins to students. Each students have individually practiced the same under the supervision of Mrs Nath. Ms Urvi Patel, Senior Executive, SHalby Education academy and Mrs Desai,Hr Head Shalby Hospital Vapi also were present to provide detailed support and information regarding the training and future opportunities.

PHARMA NEWS

STRATEGY

INTERVIEW

At Agilent, we believe that sustainability, productivity and efficiency can co-exist in a lab without compromising on ROI

Dr Samir Vyas, Country General Manager, India, Agilent shares insights about the importance of sustainability, challenges that hinders sustainability initiatives and endeavours taken by Agilent towards sustainability, in an exclusive interview with **Viveka Roychowdhury**

What are the top three to five sustainability challenges in today's pharma labs?
Several sustainability challenges must be addressed in today's pharma laboratories to minimise environmental impacts and support a more sustainable future.

One of the most difficult challenges in pharma labs today is that they generate a significant amount of waste, which includes both hazardous and non-hazardous materials, which can have serious environmental consequences. Aside from this, improperly disposed of unused medications by consumers can contribute to environmental contamination and potentially harm wildlife. Whereas proper disposal of unused medications, as well as initiatives to reduce packaging waste, chemical waste, and improve recycling programmes, will aid in proactively addressing this challenge.

Like many other industries, pharma labs contribute to greenhouse gas emissions and carbon footprints through their energy use, transportation, and waste management practices. The day-to-day operation of these laboratories requires a substantial amount of energy and water, and many still rely on fossil fuels for energy. Overall, pharma labs must reduce their consumption of water and transition from fossil fuel-derived to renewable energy sources to mitigate significant environmental impacts.

According to one of our global customer surveys, 85 per cent of pharma labs and organisations already have sustainability goals in place, and 83 per cent of pharma lab leaders believe their current workflow needs to be optimised to meet their sustainability goals.1

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What are the quick ways to diagnose/find and address these sustainability issues? Especially those related to excessive water and energy consumption, waste generation by biopharma labs etc.?
To meet sustainability objectives and comply with regulations, biopharma laboratories can adopt sustainable practices such as waste reduction, energy-efficient processes, and environmentally friendly operations. The laboratories can utilise equipment and instruments designed to be environmentally friendly. This can include equipment with low energy consumption, energy-efficient HVAC systems, and eco-friendly materials. By monitoring these practices, they can identify areas for improvement and make timely adjustments.

In addition, these laboratories can create active pharma ingredients (APIs) and finished products that are designed to be more sustainable and environmentally friendly. This may involve the use of eco-friendly raw materials, green manufacturing processes, and eco-friendly packaging. Furthermore, they can reduce the pollution caused by their products and processes by maximising the use of raw materials and minimising waste production.

What have been the outcomes of Agilent's commitment to sustainable lab practices? What did it cost to achieve these outcomes?
At Agilent, sustainability is a top priority for our product development and manufacturing processes. In 2020, we began partnering with My Green Lab to advance our sustainability efforts. This partnership started with select Agilent instruments being independently audited for the organisation's Accountability, Consistency, and Transparency (ACT) Environmental Impact Factor Label. Since then, our collaboration has expanded to include participation in the My Green Lab Certification programme, and we are proud to have achieved the highest level of sponsorship, known as the "Angel" level. Our commitment to sustainability through collaboration with My Green Lab demonstrates our dedication to promoting environmentally responsible practices in the scientific community.

Can you give details about Agilent's partnership with My Green Lab and ACT and the objectives?
Agilent is committed to promoting environmental sustainability and as a key example, has formed a partnership with My Green Lab to help accomplish this

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