LSR Orientation Training

Outline

- Who is HSE?
- Roles and Responsibilities of LSRs
- Salute Introduction
- Navigating HSE Webpage
- Key Resources

Who are we

- The Health, Safety, and Environment Department is composed of the following sections:
  - Environmental Protection
  - Community Health and Safety
  - Fire & Emergency Services
  - Research Safety

HSE webpage: https://hse.kaust.edu.sa

Who are we

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King Abdullah University of Science and Technology
Health, Safety and Environment

- The Health, Safety, and Environment Department is composed of the following sections:
  - Environmental Protection
  - Community Health and Safety
  - Fire & Emergency Services
  - **Research Safety**

- Research Safety provides programs to help laboratories manage risks and implement the appropriate hazard controls.

HSE webpage: https://hse.kaust.edu.sa

The Research Safety Team

By the numbers

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King Abdullah University of Science and Technology
Health, Safety and Environment

HEALTH, SAFETY & ENVIRONMENT
Keeping KAUST Safe

Who we are and what we do

~3000	KAUST Employees Covered
200 / 60,000	Laboratories / m^2 lab space
~200	Principal Investigators
4 / 4 / 11	COEs / Platforms / Core Labs (BESE, CEMSE, PSE, Core Labs, RPIC)
~200	Lab Safety Representatives (LSR's)
500 / 300	Risk Consultations / Inspections

BOARD OF CERTIFIED SAFETY PROFESSIONALS

American board of industrial hygiene CIH

ACLSO CERTIFIED LASER SAFETY OFFICER

RSO

17 Expert Staff:

- 1 Head, Research Safety
- 1 Lab Safety & Design Specialist
- 2 Biological Safety Specialists
- 2 Industrial Hygienist
- 1 Chemical Safety Specialist
- 1 Radiation Safety Specialist
- 1 Laser Safety Specialist
- 1 Occupational Health Specialist
- 1 Dive & Boat Safety Manager
- 4 Dive Safety Specialist
- 2 Dive Safety Technicians

Protecting what matters most through our HSE expertise, partnerships and world-class collaborations.
We work closely with our research partners to build resiliency into our research!

The Barrier Experts

KAUST's Research Safety Team

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Health, Safety and Environment

Marcos Aguilar

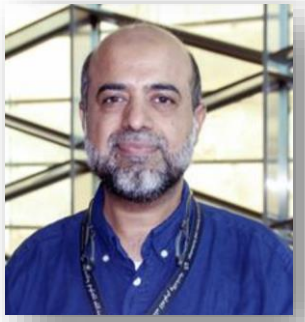
- RST Lead
- Lab Safety & Design
- 12+ years experience at KAUST
- Certified Safety Professional & Safety Management Systems

Hattan Matar

- BS Systems Engineering
- MS Risk Control
- Certified Industrial Hygienist
- Certified Safety Professional
- Extensive oil & gas expertise

Rodion Gorchakov

- Biological Safety Lead
- PhD Epidemiology
- MS Molecular Bio
- BSL-3 Expertise
- Biological Safety Officer
- Certified Biological Safety Professional



Mohamad Bahmaid

- Radiation Safety Officer
- Certified Rad Safety Officer
- Eng. Degree Nuclear Engineering Sciences
- MS Health & Med. Physics
- BS Nuclear Physics

Kee Mei Leong

- Head, Research Safety
- MSc Safety, Health and Environmental Technology
- BSc Biochemistry
- High containment & animal facilities

Sujata Haydu

- Biological Safety Specialist
- MSc Microbiology & Infectious Diseases
- HIV Research background
- Alternate Biological Safety Officer

Moustafa Elsoubki

- Laser Safety Specialist
- PEM Specialist
- BS Physics
- MSc Medical Physics
- Non-Ionizing Radiation Safety Specialist

Gianluca Barco

- Chemical Safety Specialist
- PhD Chemistry
- NEBOSH IGC
- Safety Auditor ISO 45001
- Laboratory Waste Specialist

The Barrier Experts – New Additions

KAUST's Research Safety Team

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Health, Safety and Environment

Wafa Salem

- Occupational Health Specialist
- 25+ years experience Occ. Health
- Well-being, disability management

Augusto Montbrun

- Dive & Boat Safety Manager
- 30 years dive ops & marine conservation experience
- 3,000 + dives
- Past life Dive Ops Mgr. Buddy Dive Resort in Bonaire

Krasimir Todorov

- Dive Safety Specialist (Dive Locker)
- Certified Chamber Operator & Cylinder Visual Inspector

M. Zahid Iqbal

- Lead Senior Lab Safety Specialist
- Certified Industrial Hygienist
- Canadian Registered Safety Professional

Beatrice Rivoira

- Dive Safety Specialist/ Assistant Dive Safety Officer
- MSc in Marine & Oceanographic Biology
- CCR and O/C technical diving instructor
- 20+ in diving industry

Muhammad Imran

- Dive Safety Technician
- 20+ years as Navy Clearance Diver Technician.
- Skilled in diving instruction, equipment repair & technical diving

Francis Uy

- KCRI Dive Safety Specialist
- 15 + years as DSO in Middle East, 16 years PADI Course Director
- ADCI Air-Diving Supervisor
- NEBOSH IGC, BS Physical Therapy

Imogen Danks

- Dive Safety Specialist
- Dive supervising, safety diving, equipment mgt.
- High profile projects like BBC, AppleTV+/BBC
- Joined Apr. 15/24

Khurram Shahzad

- Dive Safety Technician
- 20 + yrs as Navy Dive Master
- Specializes in complex dive ops and ensuring strict safety protocols
- Certified in dive equipment/safety mgt.

Safety Programs

Lab Life Cycle

- Lab design
- Assessments
- Lab safety
- Lab clearance

Biosafety

- BSL-1 and BSL-2
- Biosafety cabinet certification
- Biological registration
- KAUST Committee (IACUC and IBEC)

Chemical Safety

- Acid, base, corrosive, flammable, and oxidizer
- Fume hood testing
- Compressed gas and cryogens
- Experiment review

Safety Programs

Industrial Hygiene

- Respiratory protection
- Possible exposure
- PPE
- Hearing conservation
- Heat illness prevention
- Mold prevention and remediation
- Office ergonomics

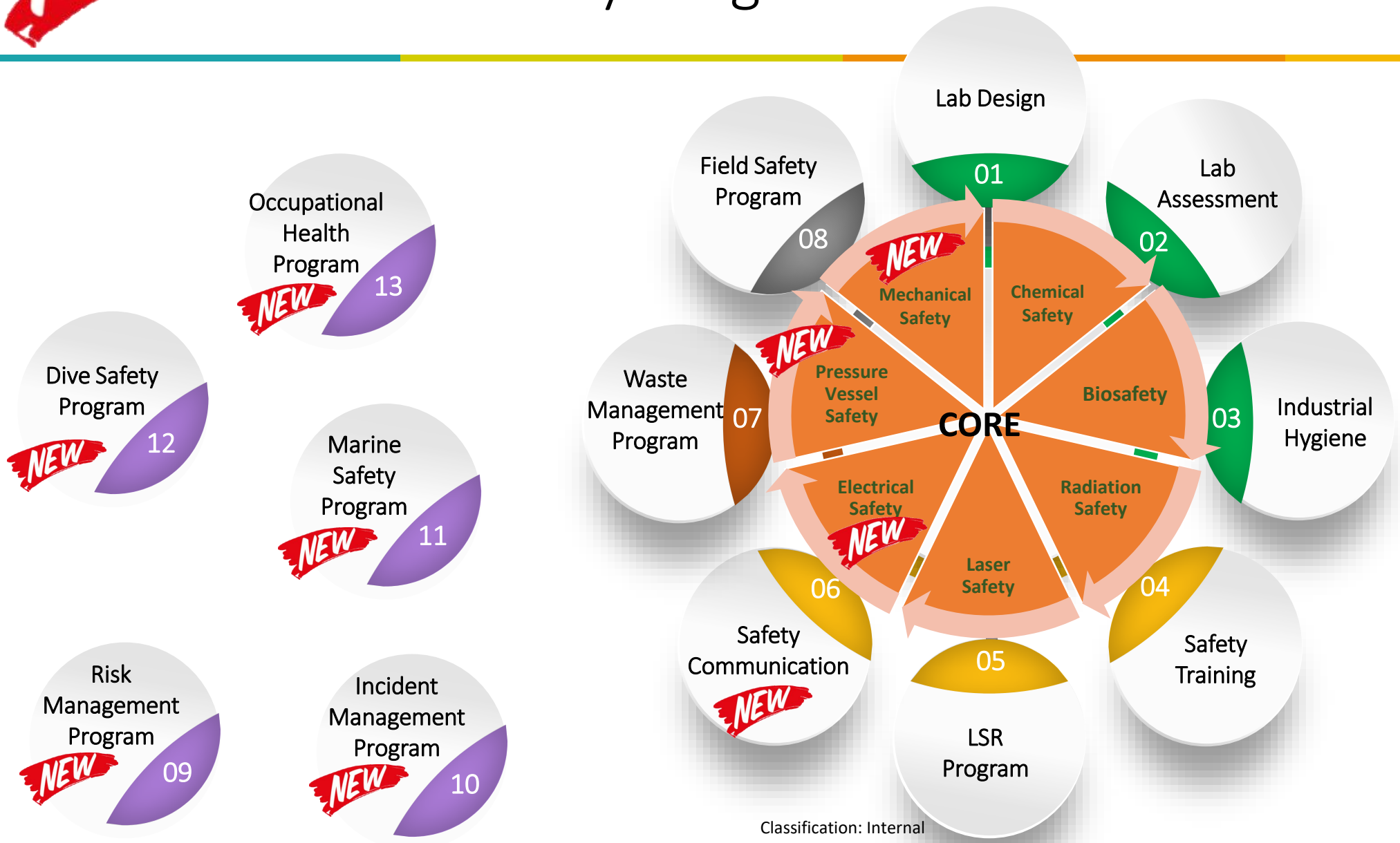
Laser Safety

- Registration of lasers (Class 3B & Class 4)
- Laser lab design
- Hazard assessment

Radiation Safety

- Registration of X-ray equipment
- Registration of radioactive substances
- KAUST Committee IRSC

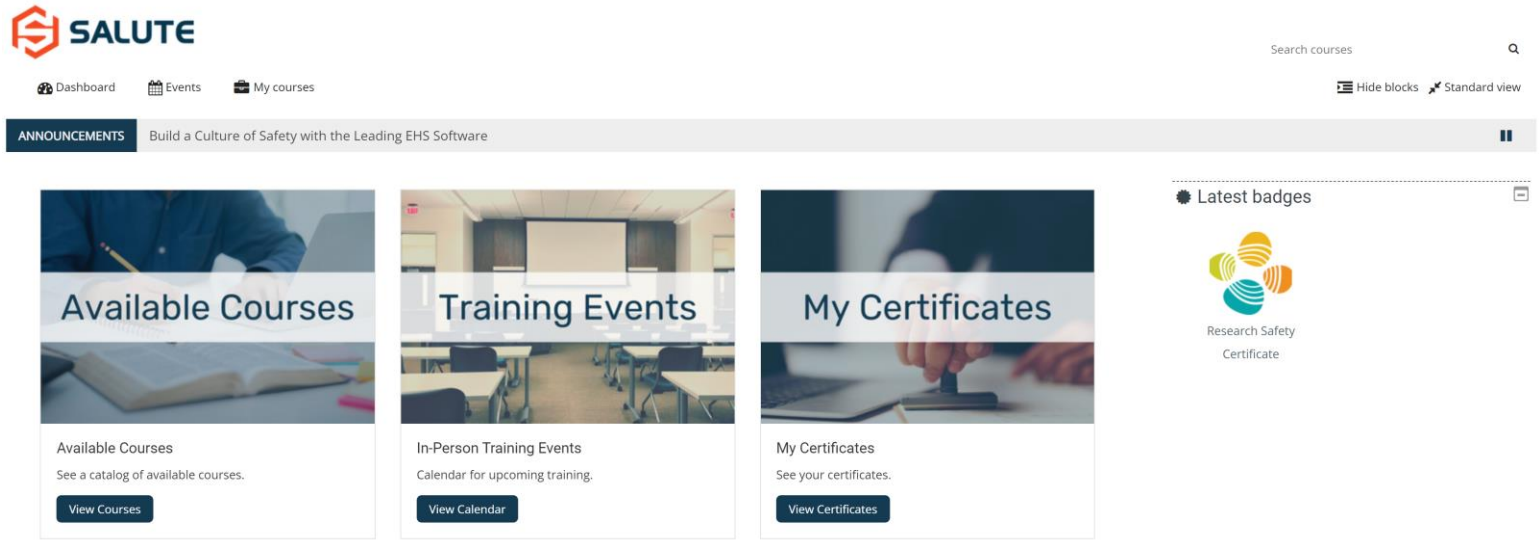
Research Safety Programs



Trainings

Health, Safety and Environment

- All training is completed or booked via Salute
  - Take the training directly online
  - Book for live courses
  - Arrange on-demand courses
  - View/Access your certificates



- Radiation Safety
- Laser Safety
- Laboratory Safety
- Emergency Preparedness
- Chemical Safety
- Biosafety
- Research Safety Classroom Trainings

KAUST Committee

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Health, Safety and Environment

Research Compliance coordinates the University's regulatory framework for research safety and ethics review via four faculty-led committees:

- Institutional Animal Care and Use Committee (IACUC)
- Institutional Biosafety and Bioethics Committee (IBEC)
- Institutional Radiation Safety Committee (IRSC)
- Dive Control Board (DCB) for scientific diving

Research Compliance also promotes policies and activities pertaining to the responsible conduct of research.

KAUST Committee

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Health, Safety and Environment

Institutional Biosafety and Bioethics Committee (IBEC)

Research that involves the use of:

- Recombinant or synthetic nucleic acids,
- Infectious agents,
- Biological toxins,
- Biohazardous agents (Risk Group 2),
- Research involving human subjects.

Institutional Animal Care and Use Committee (IACUC)

Care and use of live animals in:

- Research
- Teaching
- Testing activities

Institutional Radiation Safety Committee (IRSC)

Research conducted at or sponsored by KAUST that involves the use of:

- Radioactive substances
- Radiation-producing equipment (including SEM, TEM, hand-held x-ray, etc.)

Dive Control Board

- Research conducted at or sponsored by KAUST that involves scientific diving.

KAUST Committee

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Health, Safety and Environment

Institutional Biosafety and Bioethics Committee (IBEC)

Reviews all research conducted at or sponsored by KAUST that involves the use of:

- Recombinant or synthetic nucleic acids,
- Infectious agents,
- Biological toxins,
- Biohazardous agents (Risk Group 2),
- Research involving human subjects.

Institutional Animal Care and Use Committee (IACUC)

Reviews all research conducted at or sponsored by KAUST that involves the care and use of live animals in:

- Research.
- Teaching
- Testing activities.

Dive Control Board

Reviews all research conducted at or sponsored by KAUST that involves scientific diving.

Institutional Radiation Safety Committee (IRSC)

Reviews all research conducted at or sponsored by KAUST that involves the use of:

- Radioactive substances
- Radiation-producing equipment (including SEM, TEM, hand-held x-ray, etc.)

LSR Role & Responsibilities

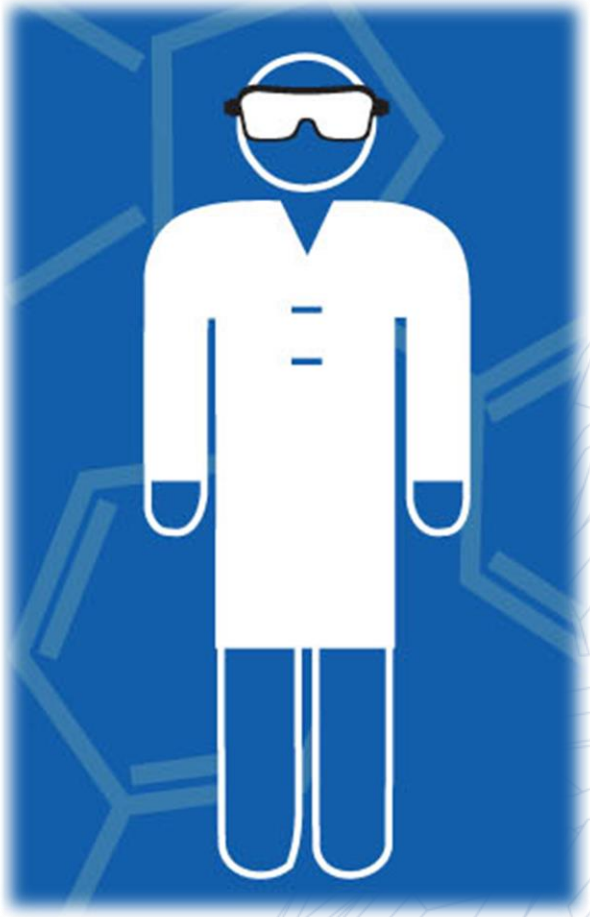
LSR assists faculty to promote a safe work ethic and safe work environment.

Roles and Responsibilities

Laboratory Safety Representatives (LSR) provide an essential link between the lab and Health, Safety & Environment (HSE).

LSRs are the catalyst for driving a strong safety culture and a safe work environment in the lab with the support of the faculty.

LSRs help to improve lab safety, identify hazards, and provide support to prepare for and deal with emergency situations.



Interventions

Lead by Example

- Discuss your role with your faculty and the need for their support to promote a strong safety culture.
- Outline resources and support needed to be an effective LSR.
- Obtain all the required training related to the hazards present in the areas you represent.
- Be aware of all the relevant programs that apply to research conducted in your lab (https://hse.kaust.edu.sa/safety/laboratory-safety).
- Monitor the safe and unsafe behaviors in the lab area and address any safety concerns.
- If you have questions or need assistance, please contact hse@kaust.edu.sa.

LSRs should be driven, proactive, responsible, and result-oriented to improve the safety culture in the lab.

New LSR or Alternate LSR

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Once you have been appointed as LSR or alternate LSR by your faculty, you should:

- Notify HSE (HSE@kaust.edu.sa) that you have been appointed LSR so that HSE can include you in the LSR email list and notify you of any update related to lab safety.
- Establish who is the HSE building point of contact.
- Discuss your responsibilities with your faculty and the possibility to nominate an alternate LSR.
- Update the following documents to include your contact details:
  - Lab Safety Plan (LARA)
  - SOPs
  - Lab door sign
  - Organizational flip chart
- Attend the LSR Orientation Training (live session)

Restructuring Building Contact Person

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Health, Safety and Environment

HIGHLIGHT

- Dedicated single point of contact

Building 1
- Marcos Aguilar (excluding Core Labs)

Building 2
- Rodion Gorchakov (excluding Core Labs)

Building 3
- Gianluca Barco (excluding Core Labs)

Building 4
- Mohammad Bahmaid (excluding Core Labs)

Building 5
- Moustafa Elsoubki

Building 6
- Zahid Iqbal

Building 7
- Moustafa Elsoubki (excluding Core Labs)

Building 9
- Marcos Aguilar

Building 22 (RPIC)
- Nadir Aljudaibi

Building 23 (RPIC)
- Nadir Aljudaibi

Building 24 (RPIC)
- Nadir Aljudaibi

Building 25
- Zahid Iqbal

Building 26
- Zahid Iqbal

Building 27
- Zahid Iqbal

Building TKS
- Mariem Ben Said

Building 33
- Zahid Iqbal

Building 35 (KRTP)
- Nadir Aljudaibi

Building 38 (DOW)
- Nadir Aljudaibi

NEO
- Zahid Iqbal

Aramco
- Nadir Aljudaibi

Building 41
- Zahid Iqbal

Building 45
- Nadir Aljudaibi

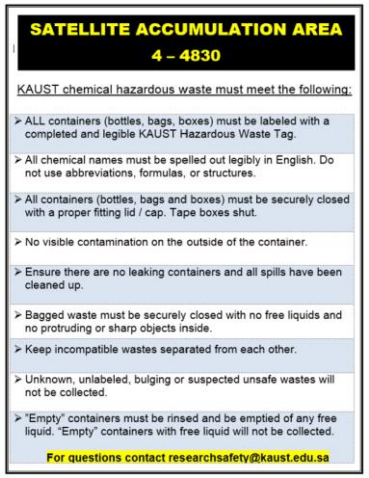
HMSB
- Mohammad Bahmaid

Hazard Identification and Risk Control

- **Lab Safety Plan (LSP) –** Prepare/review the Lab Safety Plan (future LARA) to identify all the hazards present in the lab and ensure that safety controls are available and operational to minimize the risks (e.g., fume hood, biosafety cabinets, enclosures, etc.).
  - LSP must be read, understood and signed by everyone working in your lab
  - LSP available to all lab personnel
  - LSP must be reviewed annually
  - A template is available on our webpage
- **Standard Operating Procedures (SOPs) -** Assist lab members to develop written SOPs for hazardous operations, equipment, or specific experiment.
  - Ensure that SOPs are reviewed regularly (or yearly)
  - A template SOP is available on our webpage
  - Have all lab members read and sign the SOPs that apply to their work
  - Ensure lab-specific SOPs are available (either paper copies available in the lab or electronic copies accessible while in the lab)

Hazard Identification and Risk Control

- **Chemical Inventory -** Help maintain the chemical inventory up to date using the online chemical inventory system (Salute). To obtain access to the chemical inventory you must first complete the Chemical Inventory training.
- **Hazardous Waste -** Manage hazardous waste and satellite accumulation areas (SAA)
  - Ensure the hazardous waste bags and containers are segregated appropriately and labeled or tagged as per the hazardous waste guide.

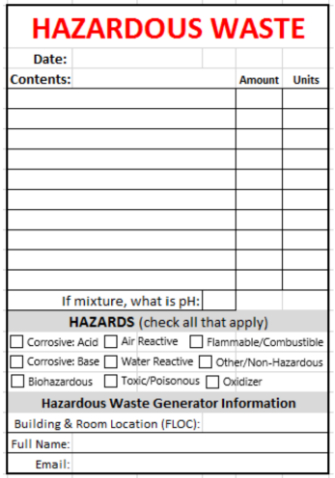


SATELLITE ACCUMULATION AREA
4 – 4830

KAUST chemical hazardous waste must meet the following:

- ALL containers (bottles, bags, boxes) must be labeled with a completed and legible KAUST Hazardous Waste Tag.
- All chemical names must be spelled out legibly in English. Do not use abbreviations, formulas, or structures.
- All containers (bottles, bags and boxes) must be securely closed with a proper fitting lid / cap. Tape boxes shut.
- No visible contamination on the outside of the container.
- Ensure there are no leaking containers and all spills have been cleaned up.
- Bagged waste must be securely closed with no free liquids and no protruding or sharp objects inside.
- Keep incompatible wastes separated from each other.
- Unknown, unlabeled, bulging or suspected unsafe wastes will not be collected.
- "Empty" containers must be rinsed and be emptied of any free liquid. "Empty" containers with free liquid will not be collected.

For questions contact researchsafety@kaust.edu.sa



HAZARDOUS WASTE

Date:

Contents:	Amount	Units
If mixture, what is pH:		

HAZARDS (check all that apply)

☐ Corrosive: Acid ☐ Air Reactive ☐ Flammable/Combustible
☐ Corrosive: Base ☐ Water Reactive ☐ Other/Non-Hazardous
☐ Biohazardous ☐ Toxic/Poisonous ☐ Oxidizer

Hazardous Waste Generator Information

Building & Room Location (FLOC):
Full Name:
Email:

hse.hazwastepickup@kaust.edu.sa

Key Points Hazardous Waste Management

- All chemical containers must be labeled with a completed KAUST Hazardous Waste Label:
  - Must be in English and include all constituents
  - No abbreviations
  - No chemical formulas
  - No chemical structures
- Containers must be securely closed with a properly fitted cap/lid.
- Ensure that there is no contamination on the outside of containers.
- Keep incompatible wastes separated.
- Unknown/unlabeled containers will not be collected.

Personal Protective Equipment and Safety Supplies

- Ensure availability of adequate personal protective equipment (PPE) for each lab member. PPE standard for KAUST Laboratories.
- Encourage/support lab personnel to use and maintain PPE.
- Identify required protective equipment needed (gloves, goggles, respirators, etc.).
- Ensure all safety supplies (first aid kits, spill kits, etc.) and equipment required for the management of hazardous waste are available.

Key Points of Required PPE in the Lab

- Wear minimum PPE when in the lab
  - Eyewear – worn at all times when entering the lab (working or passing through the lab)
  - Lab coat buttoned – worn when working with or around hazards
  - Gloves – worn when working directly with hazards
- Wear additional PPE based on the lab activities
  - Special gloves (cryogens, hot surfaces, etc.)
  - Face shield (cryogens, UV, etc.)
  - Special eyewear (UV, lasers, etc.)
  - Respirators – require a risk assessment from IH and enrollment in respiratory protection program (even N95)
- Users must wear PPE correctly when in the lab
- **NO PPE WORN OUTSIDE THE LAB**

How to Dress for the Lab

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Keeping KAUST Safe

Personal Protective Equipment and Safety Supplies

- Ensure availability of protective equipment (P member. PPE standard for K
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E WORN OUTSIDE THE LAB

Research PPE & Hazardous Material Transport

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Health, Safety and Environment

- **PPE Stays in the Lab**: Don't wear lab coats, gloves, or goggles outside lab areas.
- **Carry PPE, Don't Wear It**: Fold lab coats inside out or place it in a secure bag when moving between labs.
- **Transport Safely**: Use leak-proof containers, avoid touching shared surfaces.
- **Use Designated Routes**: Level 0 tunnel, service elevators/corridors.
- **Protect Our Community**: Following these safety protocols helps maintain a healthy and secure environment for everyone at KAUST.

Safety Supplies List

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Health, Safety and Environment

https://hse.kaust.edu.sa/safety/laboratory-safety/safe-research/safety-supplies

Gloves

Eye protection

Other PPE

First Aid and Kits

Electrical Safety

Others

Bags

Containers

Sharps and Broken Glass

Secondary Containers

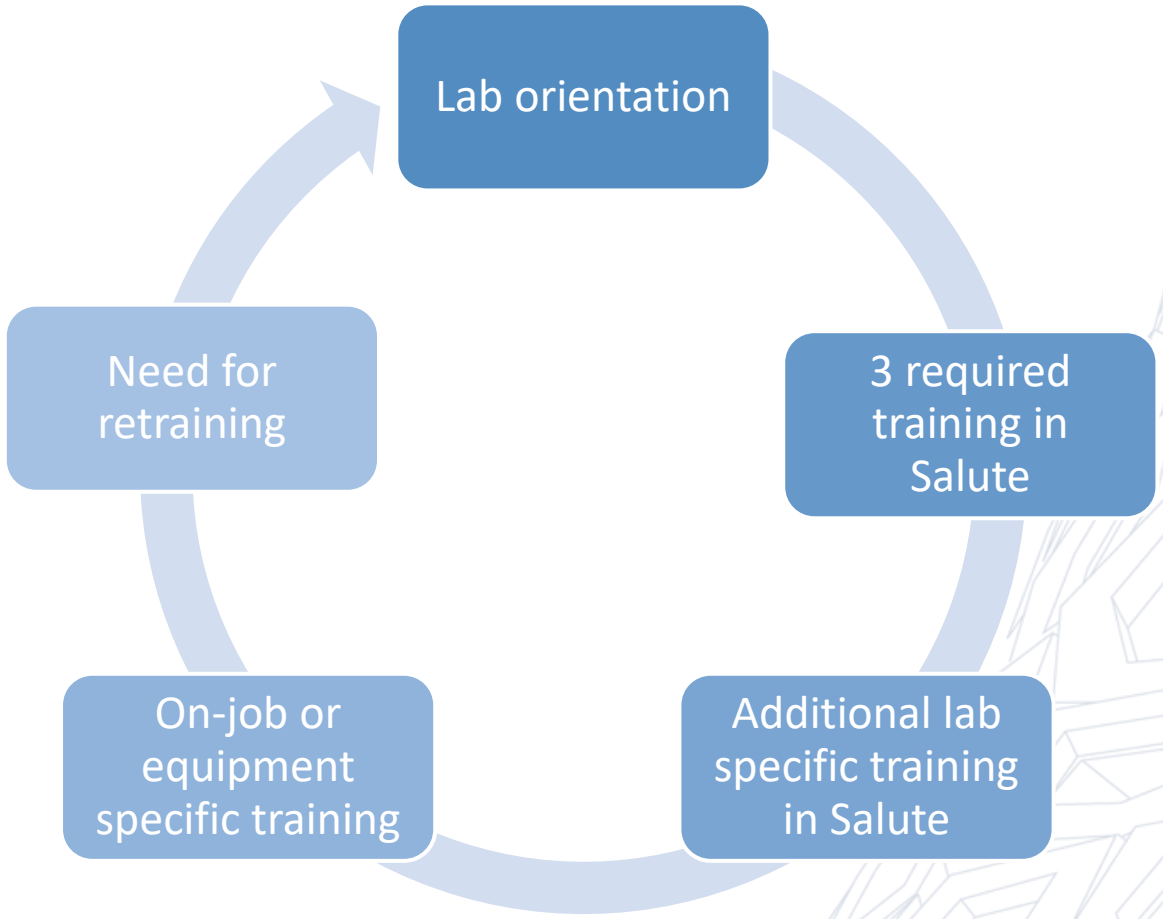
COVID-19 Safety Items

Training

- Ensure everyone who works in the lab is competent to carry out their duties.
  - Lab Orientation Checklist *(recommendation)*
  - Notify HSE if additional safety-related training is needed for the lab group.

Training requirements:

- **Lab Safety Training (online or live classes available)**
- **Hazardous Waste Training**
- **Emergency and Incident Preparedness Training**
- Any additional online training identified in LSP
- LSR Orientation Training (LSR and alternate LSR only)
- First Aid Training (recommend 2 people)
- Fire Extinguisher Training (recommend 2 people)



Communication

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Health, Safety and Environment

- Connection between HSE and your lab - point of contact for all health and safety matters arising within your lab.
- Attend the Lab Safety Forum (or send a designated representative if you cannot attend).
- Communicate with all team members relevant outcomes from the Lab Safety Forum and other emails received via the LSR distribution list.
- All presentations for previous forums can be found on the LSR webpage.

- Report any safety hazard observed, near-miss, accident, incident, or occupational disease by creating a new event in Salute. Click here to raise an event.
- Assist in the investigation of all incidents that occurred in your lab.

Safety Assessment Program

HEALTH, SAFETY & ENVIRONMENT
Keeping KAUST Safe

Safety Assessment Program adopts a framework which progressively integrates the capability of self-regulation among Laboratory Safety Representatives (LSRs) and independent assessments by Health, Safety and Environment (HSE) Research Safety Team (RST).

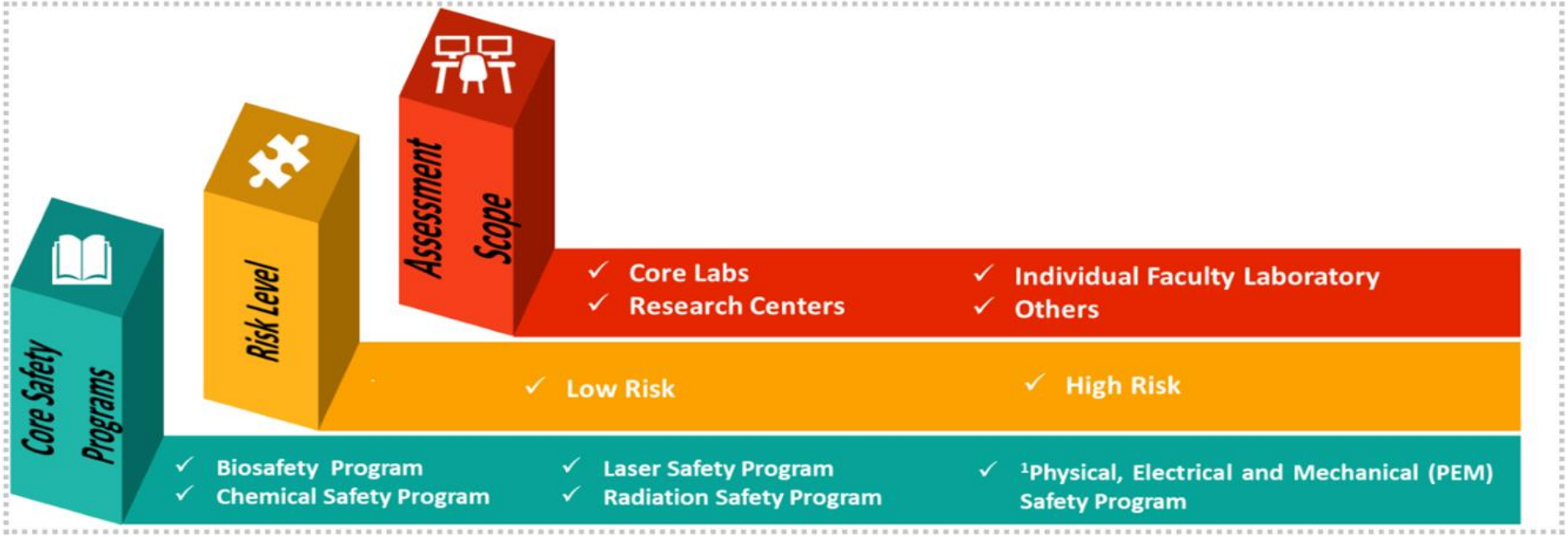
The objectives of the Safety Assessment Program are to **improve safety culture** and to **enhance safety best practices** in KAUST research environment in a collaborative manner.

Safety Assessment Program serves as a shared tool in integrating the Plan-Do-Check-Act Cycle of continuous improvement in research safety.

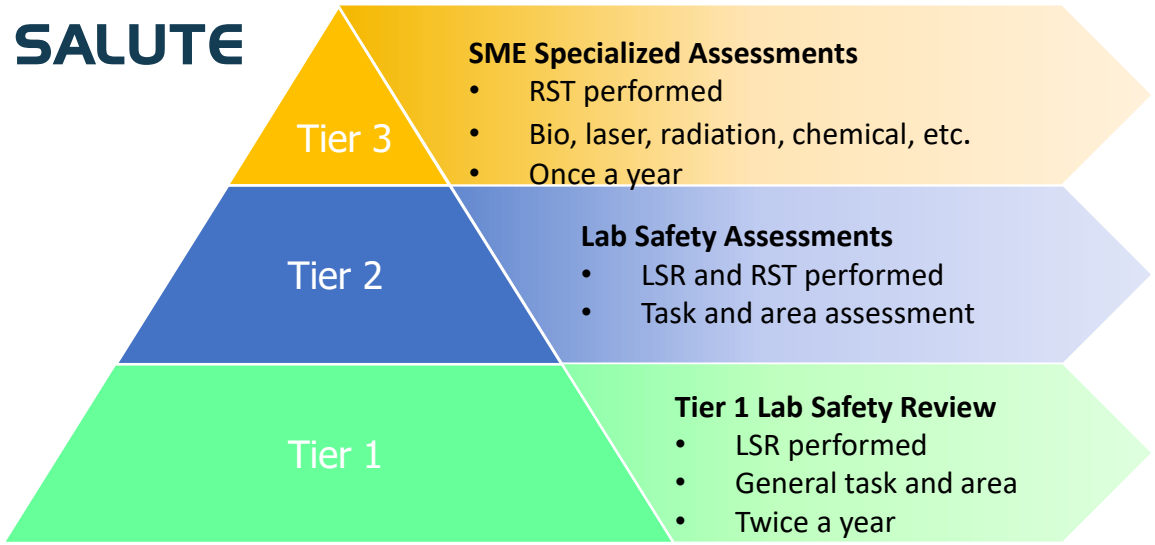
Safety Assessment Program

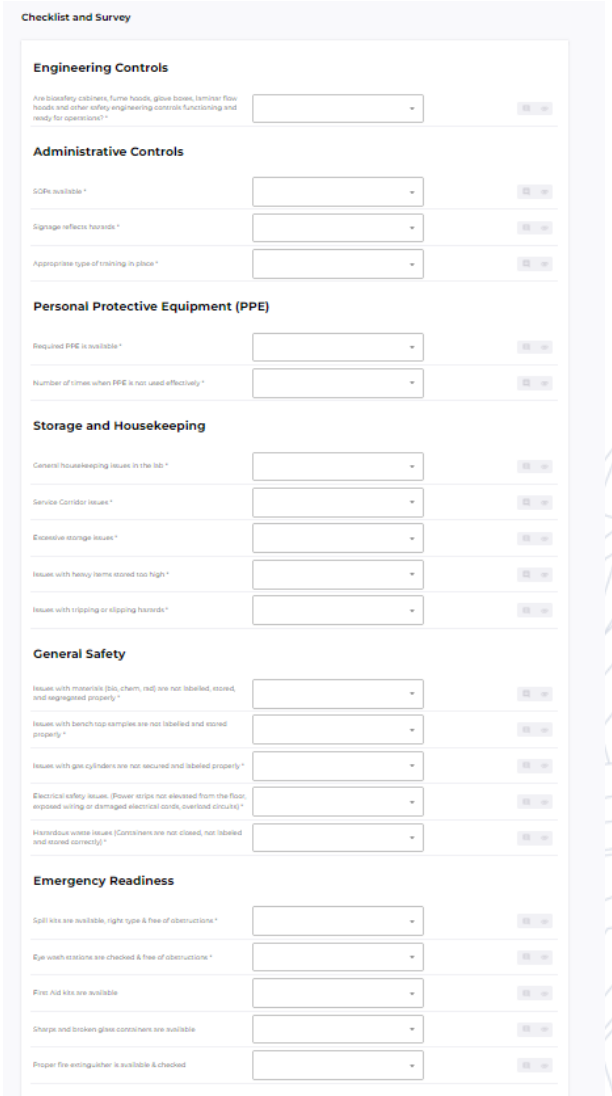
Laboratory spaces are broadly classified according to the 3 assessment classification criteria below:

- Assessment Coverage – applicable for Tier 1, Tier 2 and Tier 3 assessments.
- Risk Level – Applicable to Tier 2 assessment only.
- Core Safety Program – Applicable to Tier 3 assessments only.



Assessments





- LSR or lab user perform Tier 1 Lab Safety Review at least twice a year .
  - Simple checklist – no finding added.
  - Help the laboratory to validate controls.
- Enables the lab users to conduct safety readiness reviews, prevent safety issues, and keep a record of continuous safety improvements.

https://hse.kaust.edu.sa/SALUTE/Assessments

Lab Member Departure

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Health, Safety and Environment

- ***Student departure:*** Completed by LSR to ensure that the lab space occupied is free from hazards and that chemicals and samples have been disposed of or transferred to another lab member (remember to check the fridge and freezers).

- ***Post-doc, Researcher departure:*** Completed by RST to ensure that the lab space occupied is left hazard free and that all chemicals/samples have been disposed of or transferred. You are required to attend the visit or nominate a delegate.

Emergency Preparedness

- The LSR assists the faculty and ensures emergency preparedness measures are in place:
  - Two persons trained for first aid and fire extinguisher
  - Identify risks in your area (Lab Safety Plan and SOPs)
  - Establish emergency procedures specific to your lab (can be added to the Lab Safety Plan) include:
    - Safe shutdown of experiments and equipment
    - Safe handling of hazardous spills
    - Triggering of alarm systems
    - When and how to escalate an incident
  - Organize and execute regularly small emergency drills (e.g., simulate a small spill, walkthrough the evacuation procedure with your team, etc.)

Emergency Situations & Lessons Learned

- Lesson Learned following a near-miss or incident should always be shared
  - Not always the result of human mistakes, can be the failure of an instrument or facility
  - Use it as a learning tool
  - Don’t use the names of people involved
  - Don’t try to embarrass or blame.
- Listen to safety concerns or complains
  - Listen and take it seriously
  - Thank them!
  - Respond quickly
  - Involve employees
  - Follow-up and contact HSE if necessary

An emergency is any situation that requires IMMEDIATE attention such as fire, or medical response to preserve life or property

- Call 911 from a Campus phone
- Call **012 808 0911** from a cell phone
- Be part of assistance during emergency and met with the first responder if necessary
- Later raise a Report/Event in Salute
- Work with HSE on investigation and corrections

Summary

Hazard Identification & Risk Control	Lab Safety Plan & SOP Lab door sign, PPE and Safety Supplies List Chemical inventory Hazardous Waste Management
Training	3 required training as well as lab specific training On-job trainings and need for retraining Coordinate on-demand trainings
Assessment	Conduct Tier 1 Lab Safety Review Assist with Tier 2 and Tier 3 assessments Departure clearance
Communication	Attend Lab Safety Forum Forward applicable safety information sent by RST to lab users Promote safety culture in the lab
Emergency Preparedness	Establish location of the assembly point, fire extinguishers, and fire pull station Create emergency checklist Organize drills to ensure lab members are prepared

Research Safety& LSR Service Certificates

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Health, Safety and Environment

Research Safety Certificate

Available to all lab members.

Recognize the efforts and reward their commitment to safety.

How to obtain it:

Take 5 required courses
Take 9 additional courses offered by HSE

LSR Service Certificate

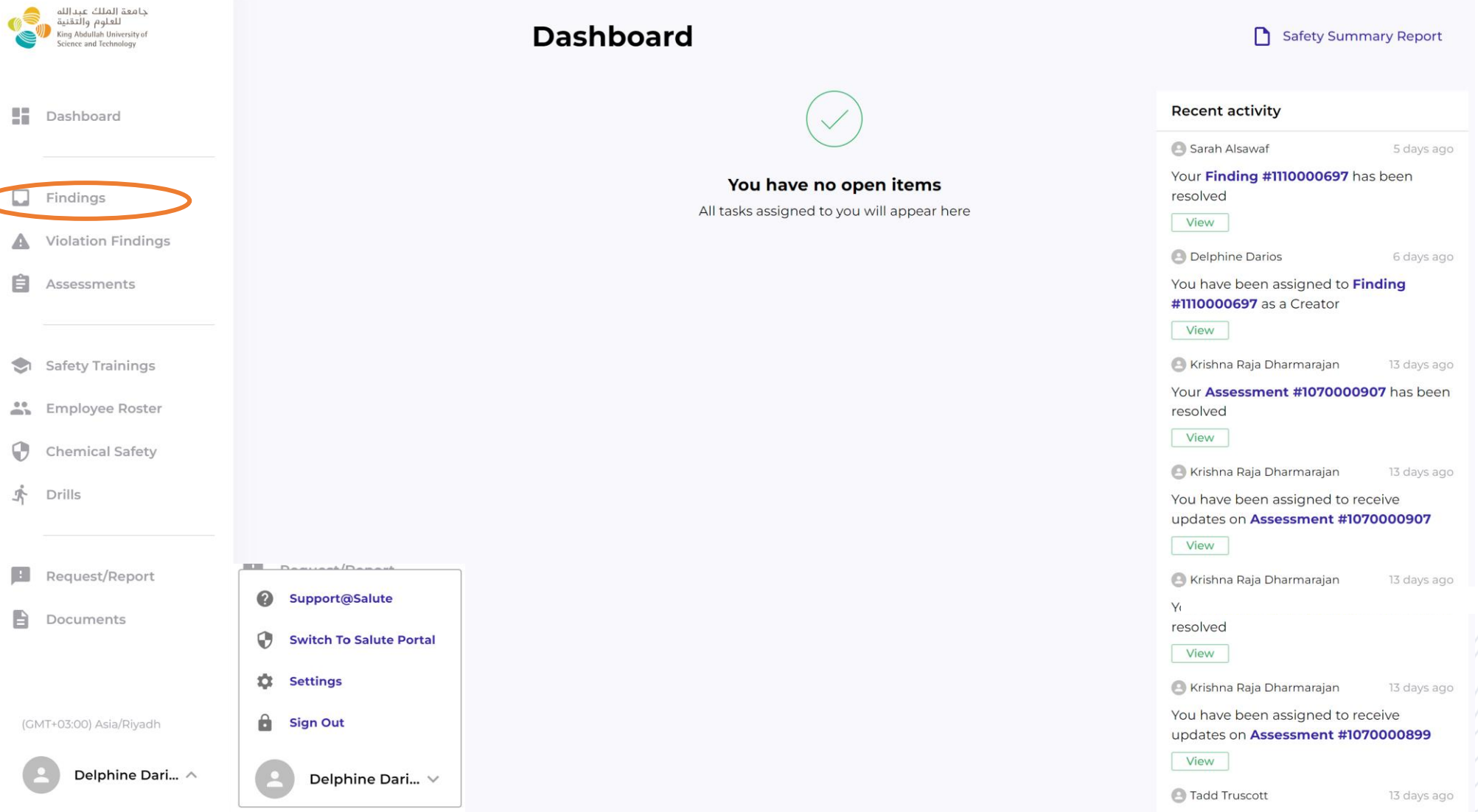
Awarded to LSRs for their support and collaboration with HSE.

Certificate.

How to obtain it:

Complete at least two years of service as an LSR
Obtain the Research Safety Certificate
Attend 75% of Lab Safety Forum during service

Introduction to Salute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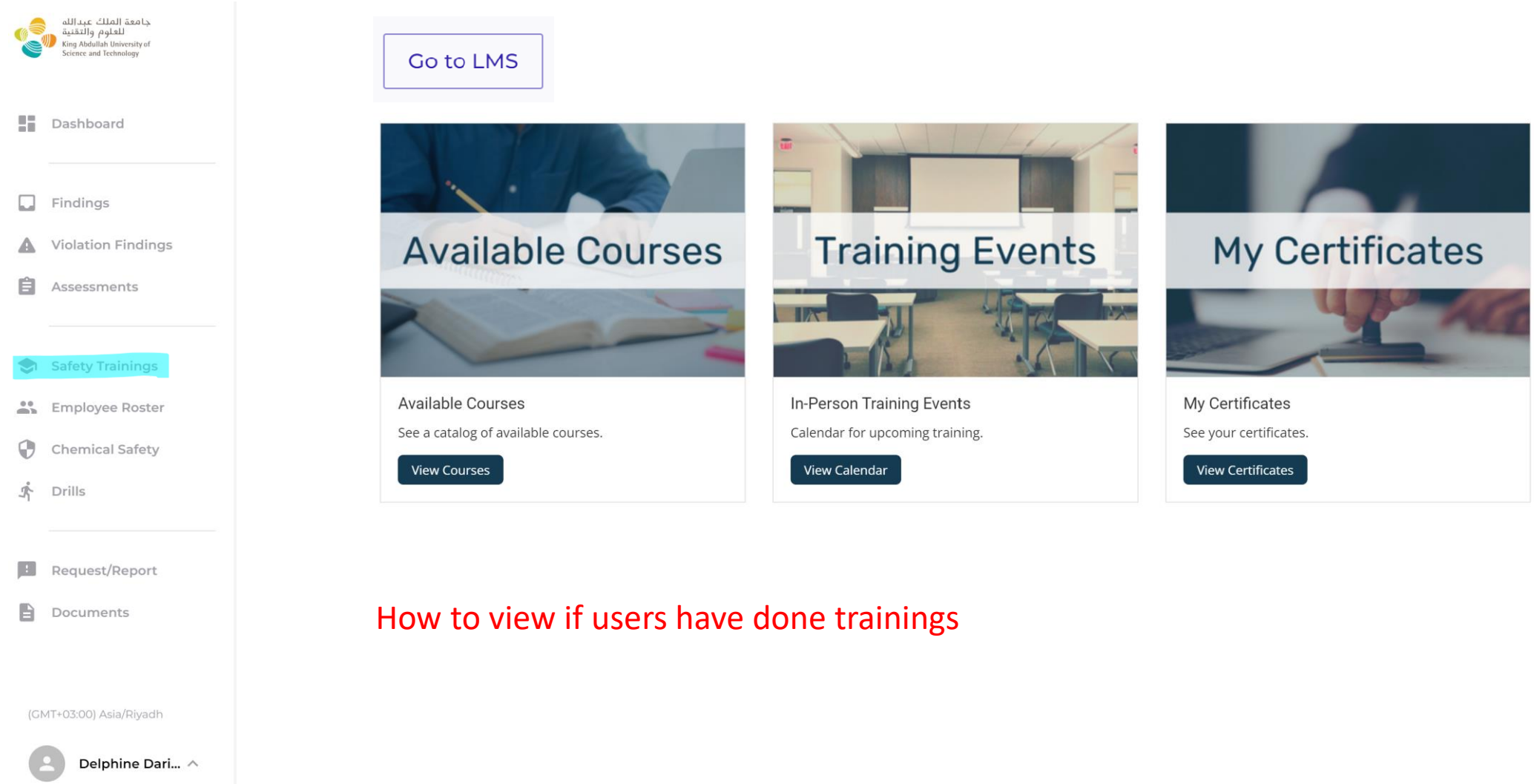
King Abdullah University of Science and Technology
Dashboard
Findings
Violation Findings
Assessments
Safety Trainings
Employee Roster
Chemical Safety
Drills
Request/Report
Documents
(GMT+03:00) Asia/Riyadh
Delphine Dari...
Dashboard
Safety Summary Report
You have no open items
All tasks assigned to you will appear here
Recent activity
Sarah Alsawaf 5 days ago
Your Finding #1110000697 has been resolved
View
Delphine Darios 6 days ago
You have been assigned to Finding #1110000697 as a Creator
View
Krishna Raja Dharmarajan 13 days ago
Your Assessment #1070000907 has been resolved
View
Krishna Raja Dharmarajan 13 days ago
You have been assigned to receive updates on Assessment #1070000907
View
Krishna Raja Dharmarajan 13 days ago
resolved
View
Krishna Raja Dharmarajan 13 days ago
You have been assigned to receive updates on Assessment #1070000899
View
Tadd Truscott 13 days ago
Support@Salute
Switch To Salute Portal
Settings
Sign Out
Delphine Dari...

Trainings

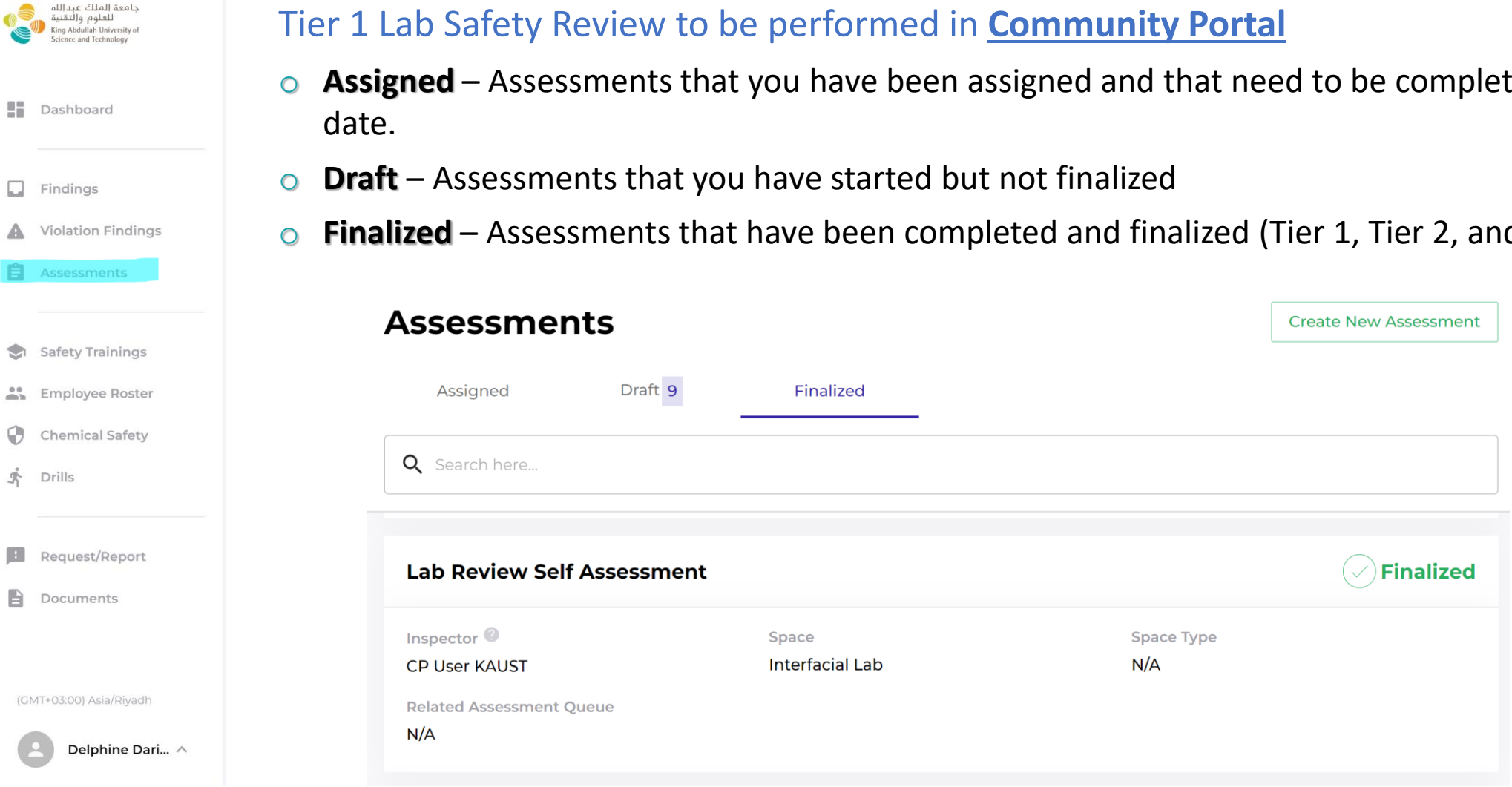


How to view if users have done trainings

Assessments

Tier 1 Lab Safety Review to be performed in **Community Portal**

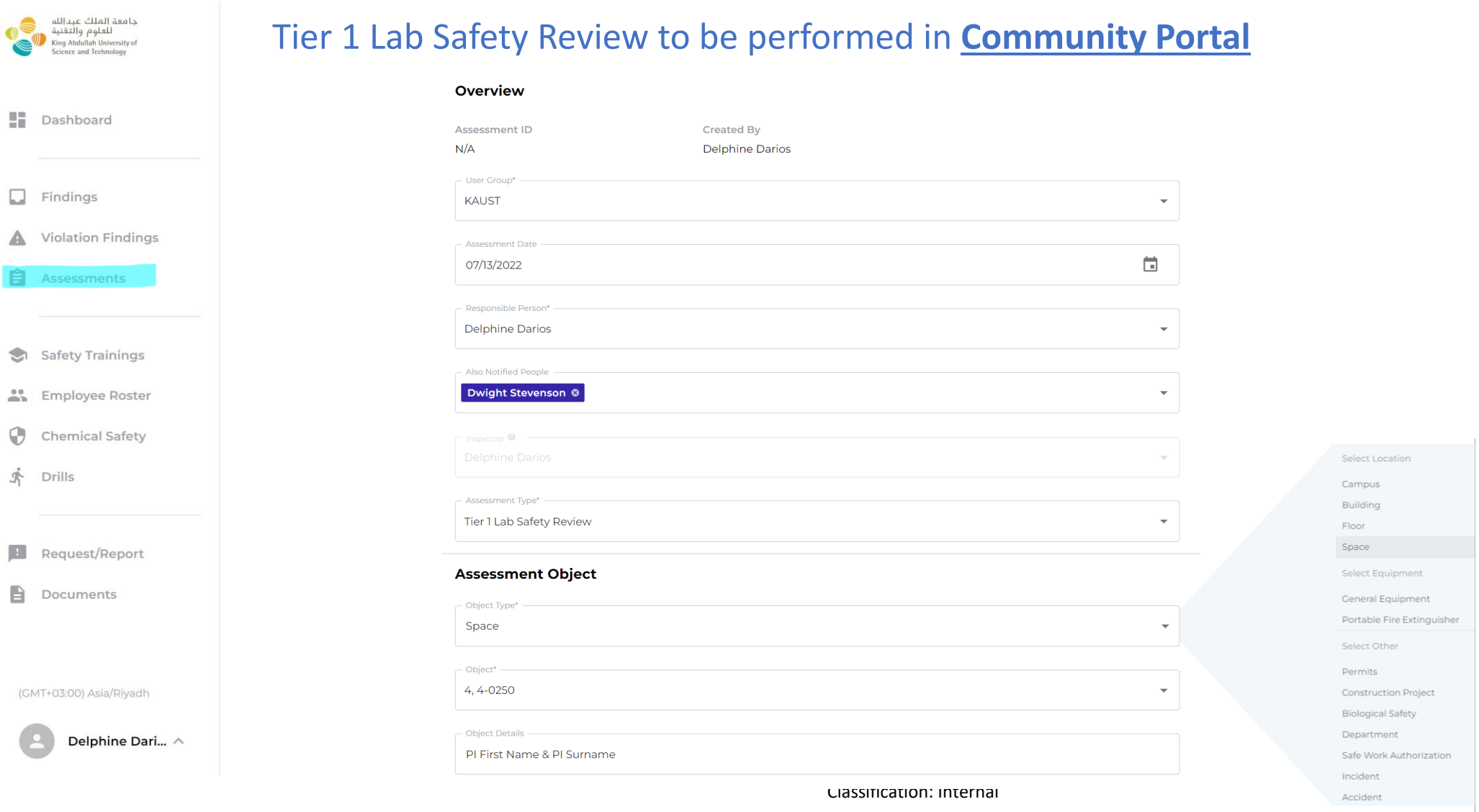
- **Assigned** – Assessments that you have been assigned and that need to be completed before a particular date.
- **Draft** – Assessments that you have started but not finalized
- **Finalized** – Assessments that have been completed and finalized (Tier 1, Tier 2, and Tier 3).



Assessments

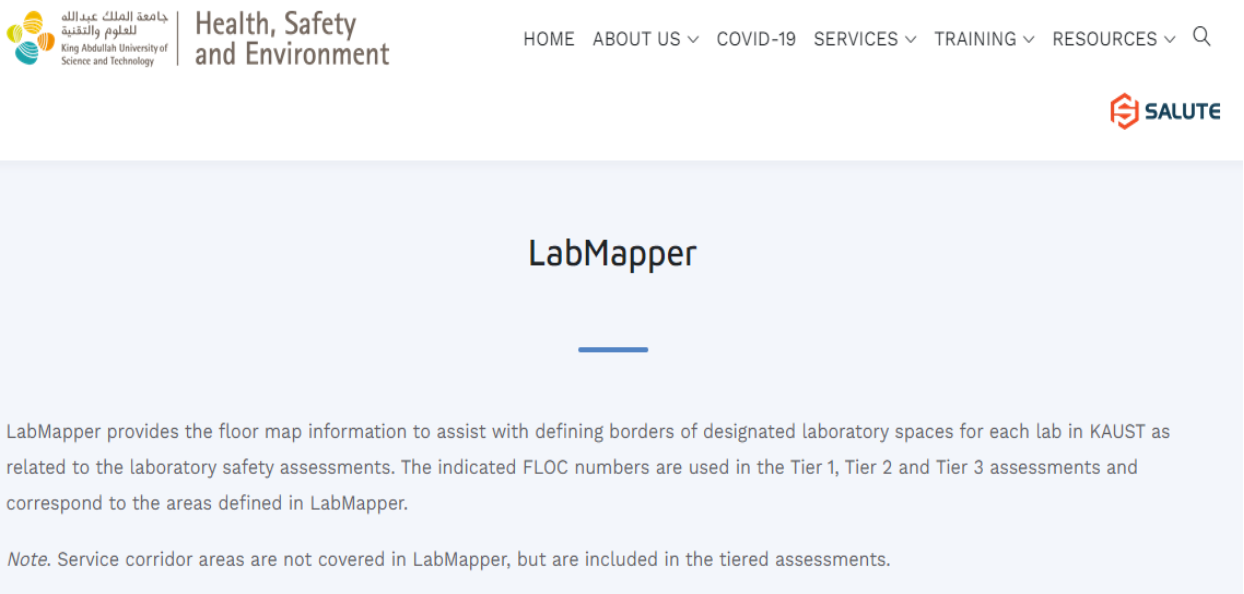
Health, Safety and Environment

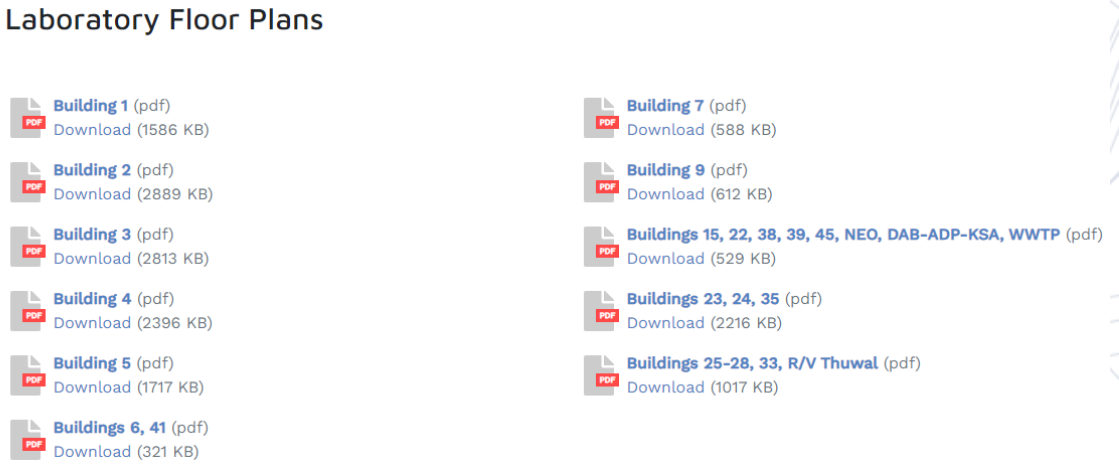
Tier 1 Lab Safety Review to be performed in **Community Portal**



Assessments

Use LabMapper to find the correct space to enter in the Tier 1 Lab Review Assessment





Assessments

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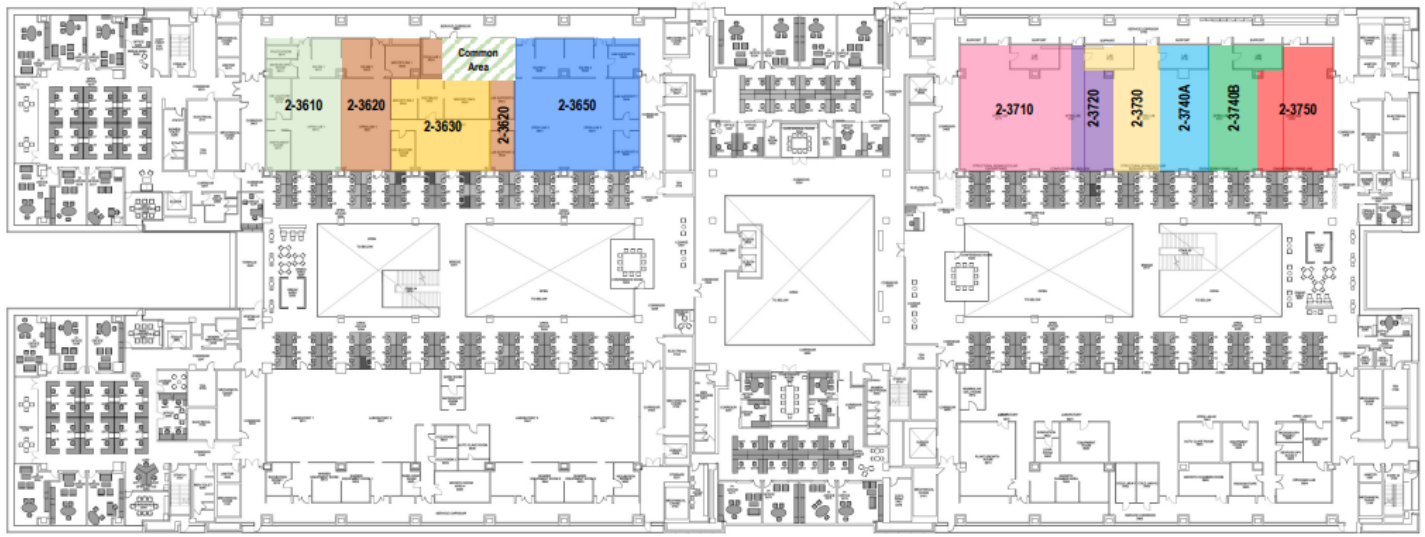
King Abdullah University of Science and Technology

Health, Safety and Environment

One Assessment per colored space

Building 2 Level 3
Ibn Al-Haytham Building

B2 L3 North Side



Assessment Space	Lab Name	PI	LSR	Alternate LSR	Comments
2-3610	Environmental Epigenetics Lab	Valerio Orlando	Amira Eltally	Peng Liu	
2-3620	Stem Cells and Diseases Lab	Antonio Adamo	Veronica Astro	Manuela Carrella	
2-3630	Laboratory of Synthetic Genome Biology	Christian Froekjaer Jensen	Ramatoulaye Balde		
2-3650	Laboratory of Chromatin Biochemistry	Wolfgang Fischle	Albina Mukhambetova	Karthik Eswara	
2-3710	Structural Biomolecular Engineering Group	Stefan Arold	Huma Khurram	Afaque Momin	
2-3720	Comparative Genomics and Engineering	Takashi Gojobori	Mohammed Alarawi	Marwa Abdelhakim	
2-3730	CBRC Shared Area	Takashi Gojobori/Stefan Arold	Huma Khurram	Marwa Abdelhakim	
2-3740A	Naschberger Lab	Andreas Naschberger	Andreas Naschberger		
2-3740B	Cryo-EM and DNA Replication Lab	Alfredo De Biasio	Hadiza Aliyu		
2-3750	Distributed Systems and Autonomy	Shinkyu Park	Nurzhan Yesmagambet		

Findings

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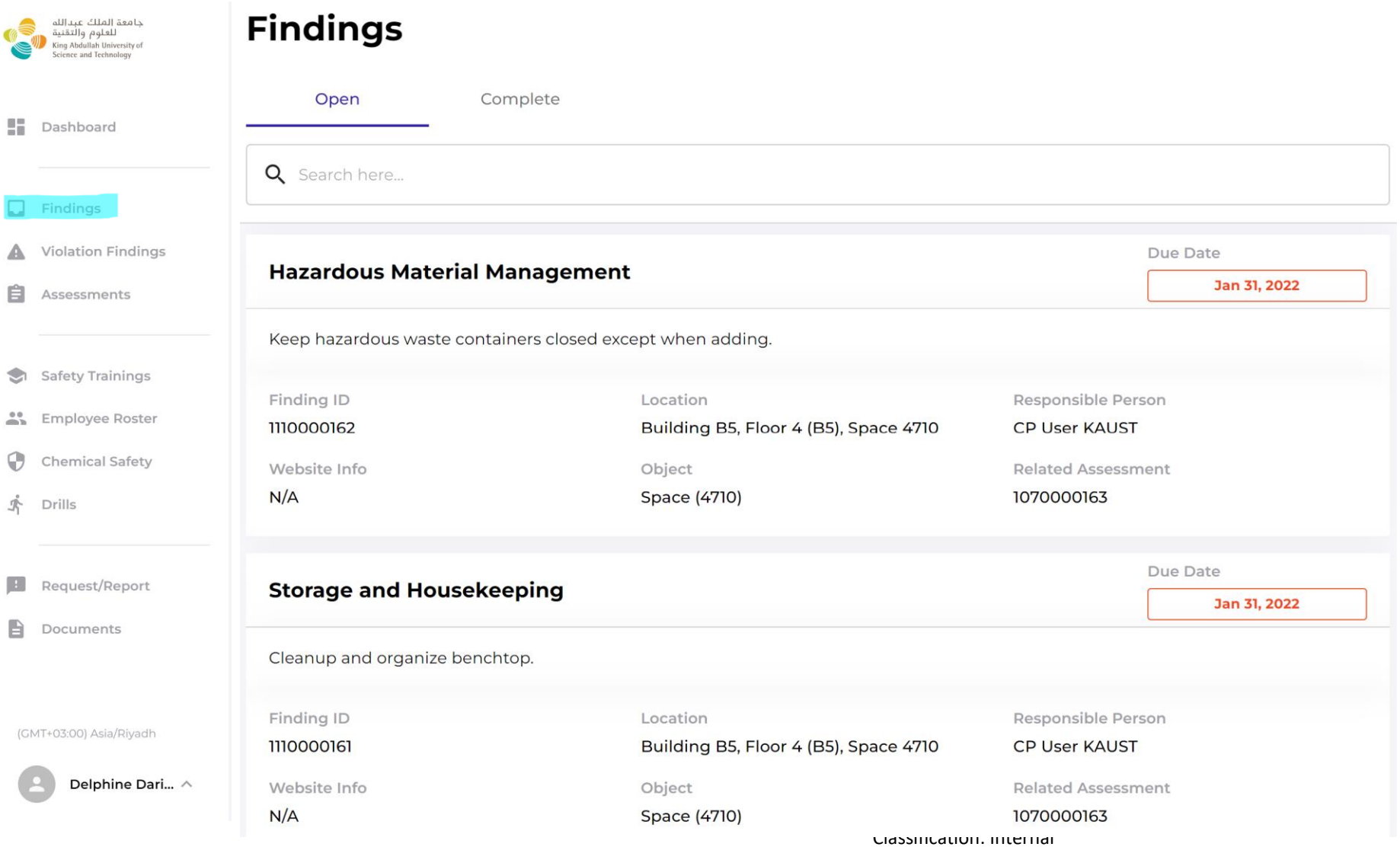
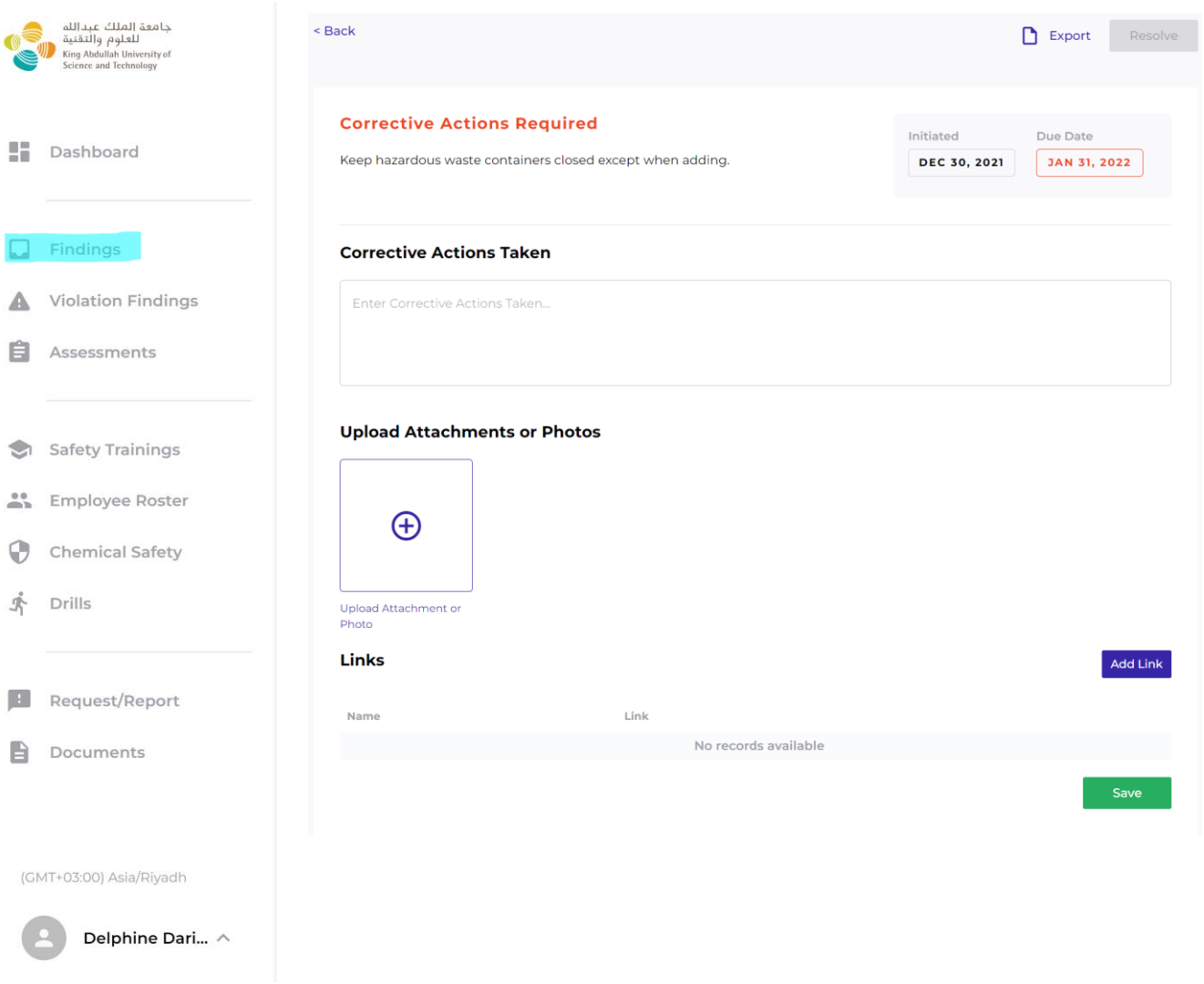
Health, Safety and Environment

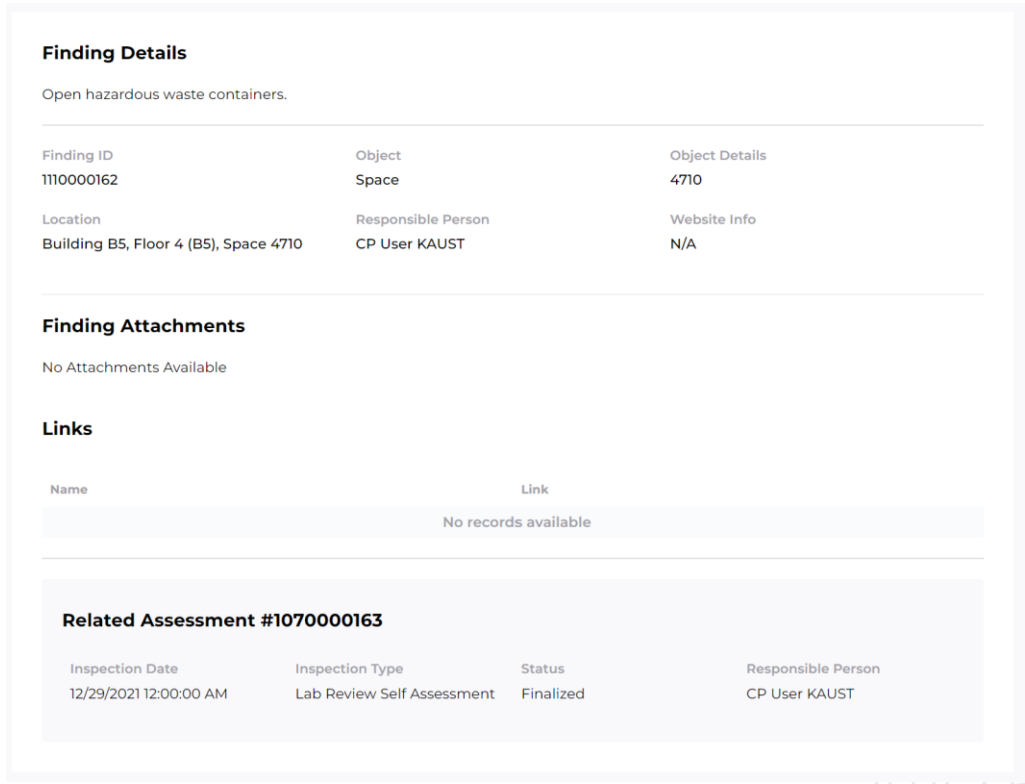


Findings/Actions from any assessment carried out

- Tier 2 and Tier 3 findings
- Incident investigation findings

Findings


جامعة الملك عبدالله للعلوم والتقنية
King Abdullah University of Science and Technology
Dashboard
Findings
Violation Findings
Assessments
Safety Trainings
Employee Roster
Chemical Safety
Drills
Request/Report
Documents
(GMT+03:00) Asia/Riyadh
Delphine Dari...
< Back
Export
Resolve
Corrective Actions Required
Keep hazardous waste containers closed except when adding.
Initiated
DEC 30, 2021
Due Date
JAN 31, 2022
Corrective Actions Taken
Enter Corrective Actions Taken...
Upload Attachments or Photos
Upload Attachment or Photo
Links
Add Link
Name
Link
No records available
Save

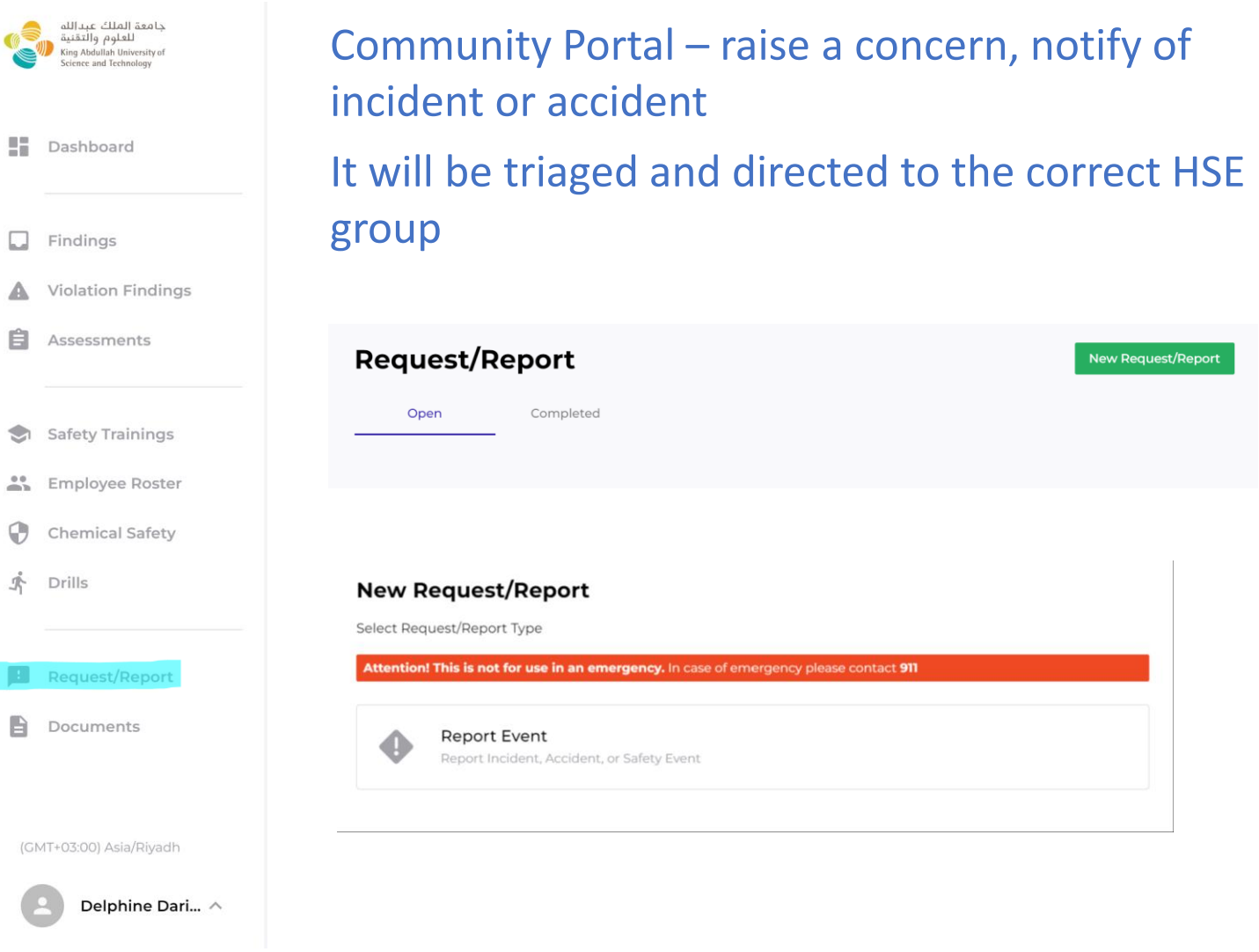

Finding Details
Open hazardous waste containers.
Finding ID
1110000162
Object
Space
Object Details
4710
Location
Building B5, Floor 4 (B5), Space 4710
Responsible Person
CP User KAUST
Website Info
N/A
Finding Attachments
No Attachments Available
Links
Name
Link
No records available
Related Assessment #1070000163
Inspection Date
12/29/2021 12:00:00 AM
Inspection Type
Lab Review Self Assessment
Status
Finalized
Responsible Person
CP User KAUST

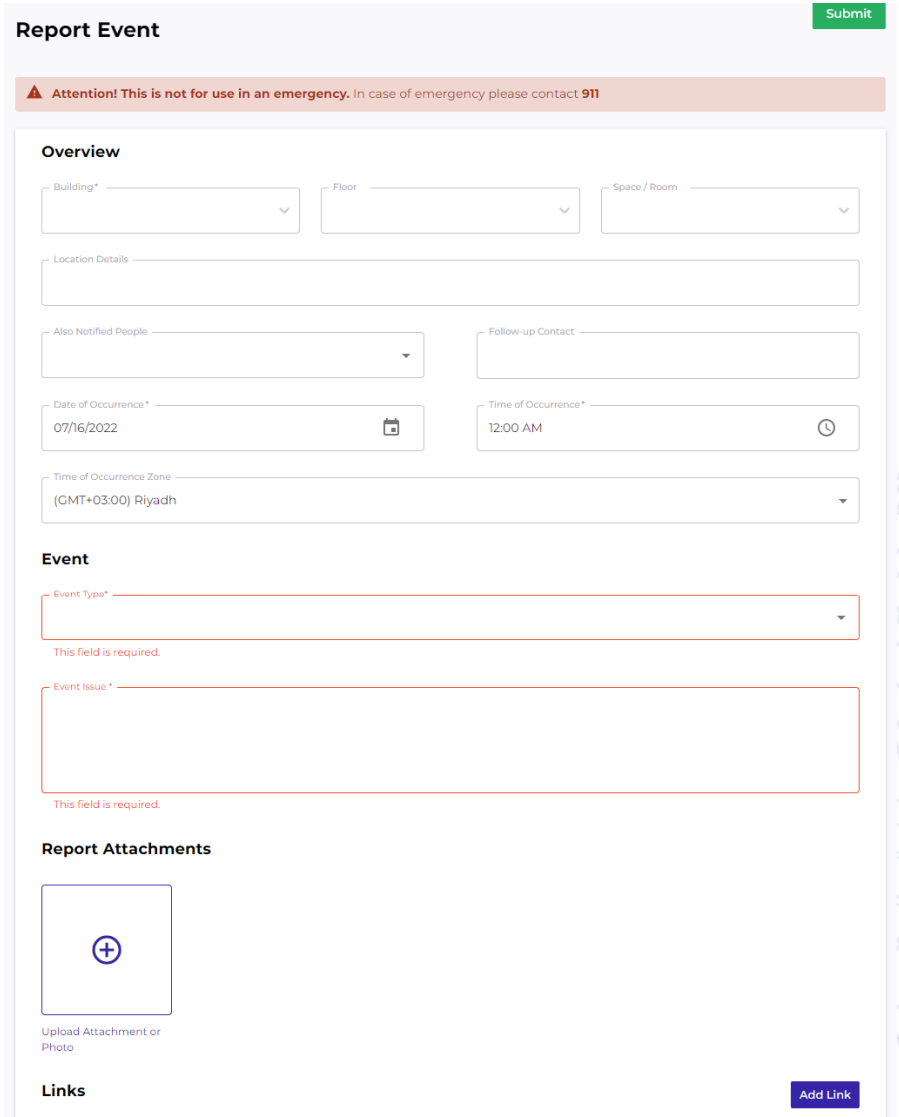
Request/Report

Health, Safety and Environment

Community Portal – raise a concern, notify of incident or accident

It will be triaged and directed to the correct HSE group

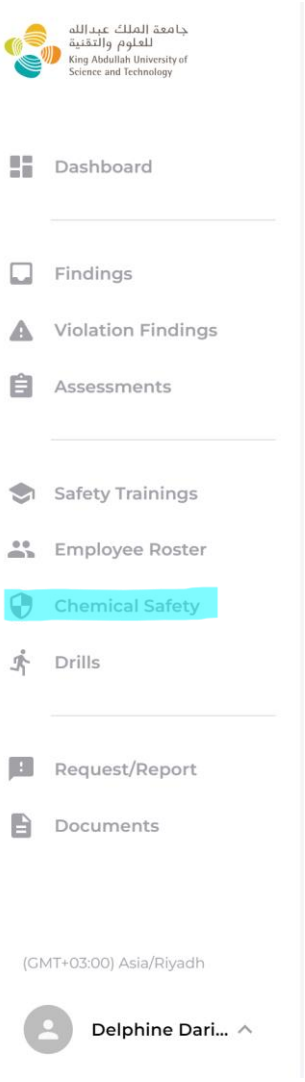




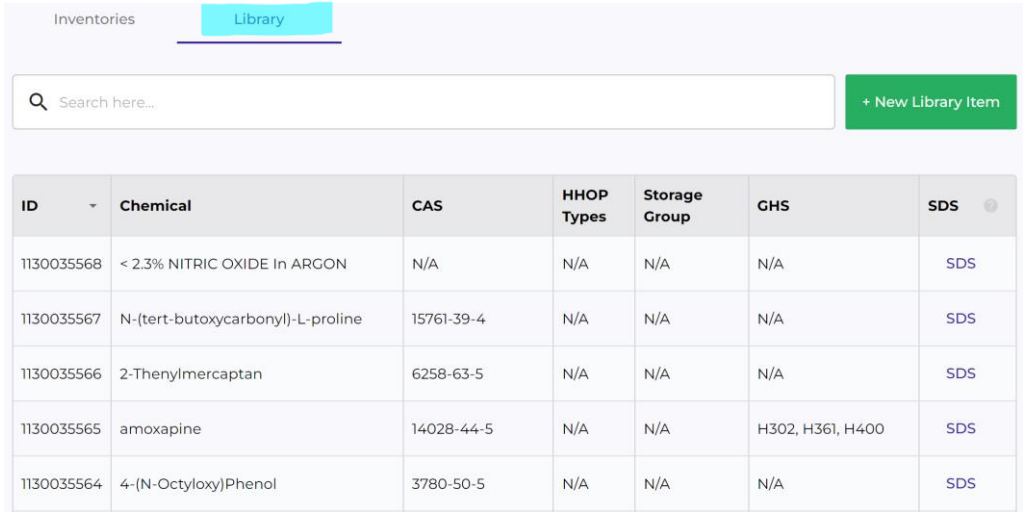
Chemical Inventory

Health, Safety and Environment

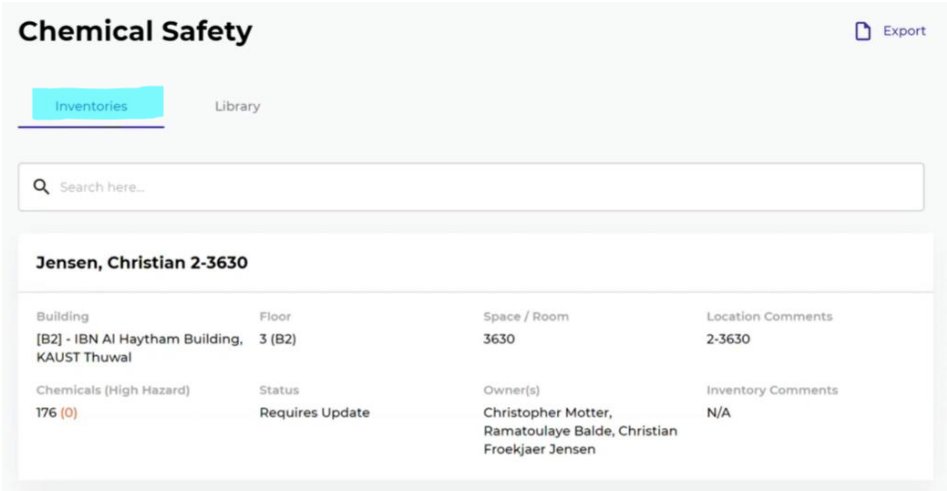
In Community Portal – Check **your** inventory and access SDS for all chemicals available in KAUST



Library tab shows all the chemicals available on KAUST

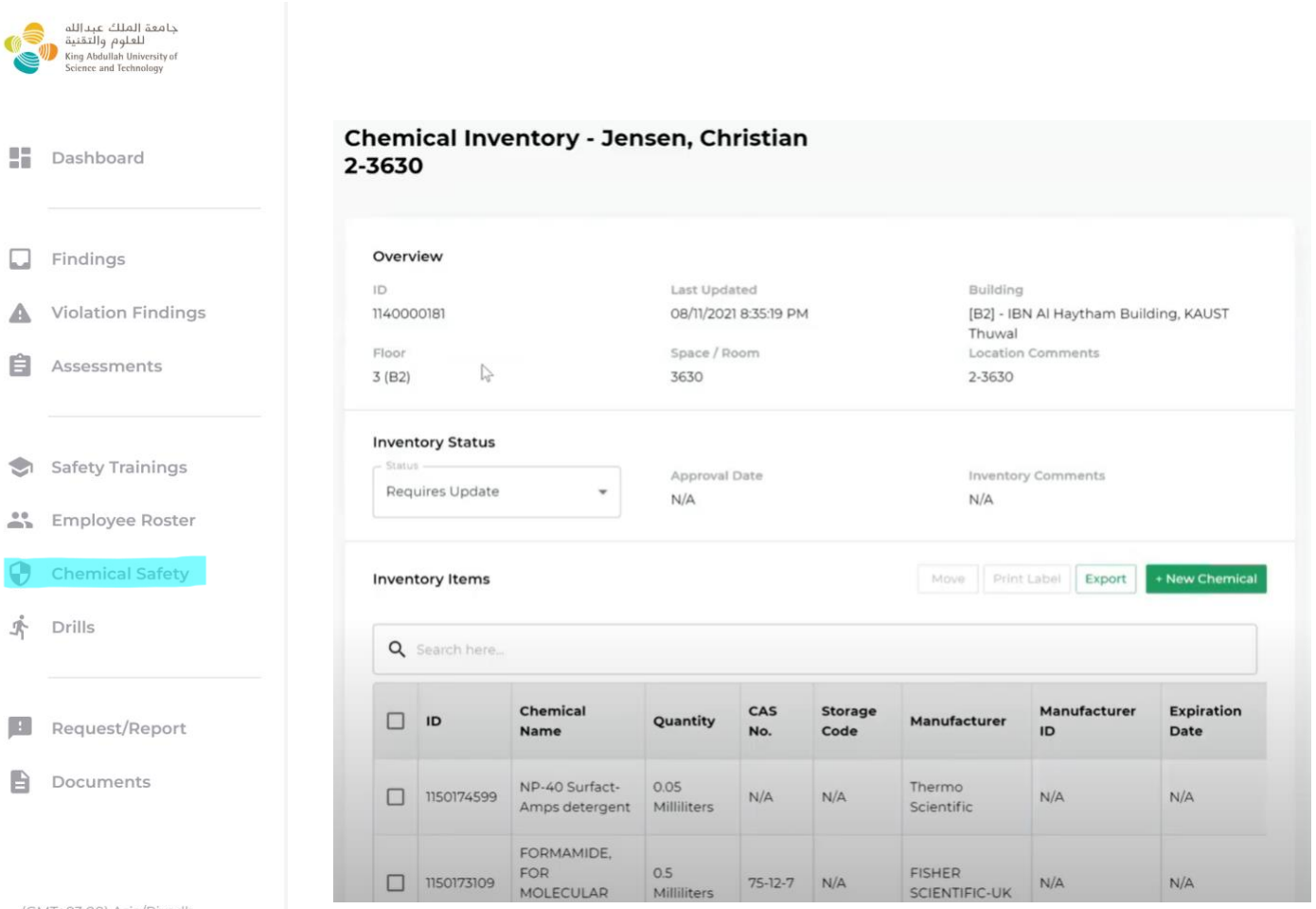


ID	Chemical	CAS	HHOP Types	Storage Group	GHS	SDS
1130035568	< 2.3% NITRIC OXIDE In ARGON	N/A	N/A	N/A	N/A	SDS
1130035567	N-(tert-butoxycarbonyl)-L-proline	15761-39-4	N/A	N/A	N/A	SDS
1130035566	2-Thenylmercaptan	6258-63-5	N/A	N/A	N/A	SDS
1130035565	amoxapine	14028-44-5	N/A	N/A	H302, H361, H400	SDS
1130035564	4-(N-Octyloxy)Phenol	3780-50-5	N/A	N/A	N/A	SDS



Inventory tab shows all the chemicals inventories you are the owner of.

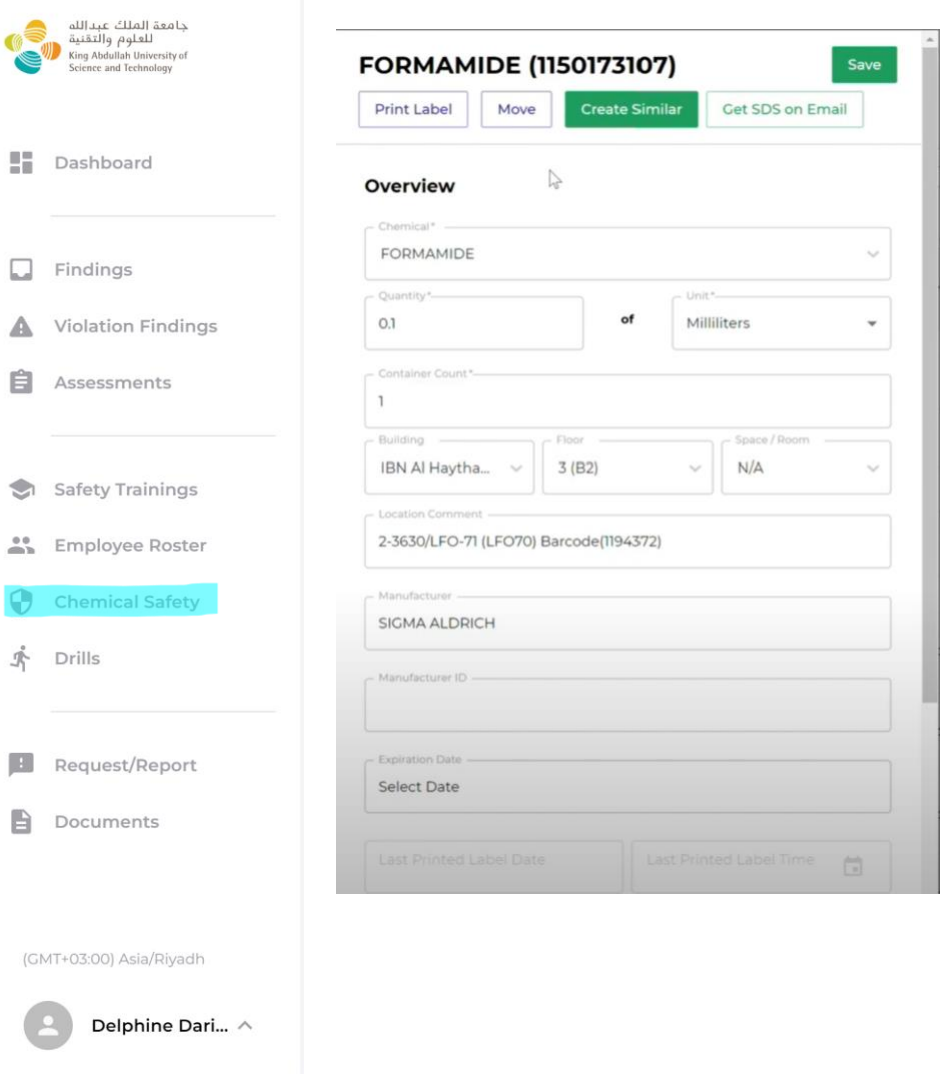
Chemical Inventory



On each individual inventory, you are the owner of you can access the following information:

- Salute ID for this inventory
- Last time it was updated
- Building / Floor / Space
- Inventory status (Pending EHS Review, Incomplete, Complete, Closed, Require Update)
- Possibility to export the inventory on an excel spreadsheet
- View all the chemicals included in this inventory

Chemical Inventory



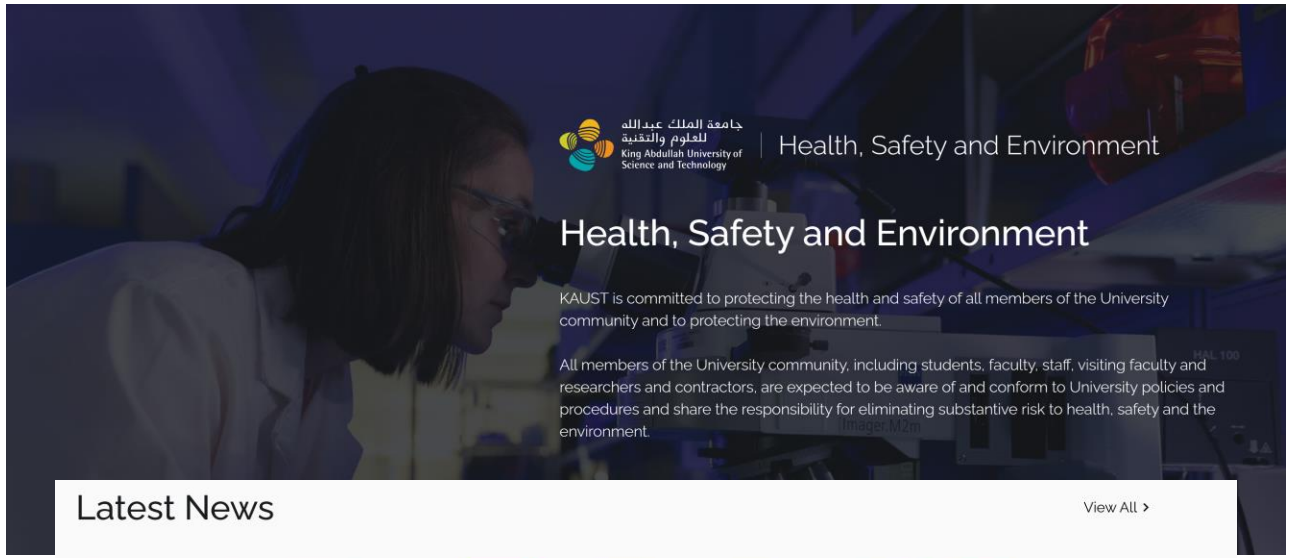
Click on one of the chemicals and you can access the following information:

- Print a label
- Move to a different chemical inventory
- Obtain the SDS for that chemical
- See the quantity and the location
- At the bottom, you can remove that chemical from the inventory

- The LSR decides who can be an owner of the chemical inventory for the lab (the owner can view and change the inventory)
- The LSR must take the chemical inventory training before being granted access
- Check the naming convention for the chemical inventory on our webpage

HSE Webpage

HSE Webpage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King Abdullah University of Science and Technology
Health, Safety and Environment
Health, Safety and Environment
KAUST is committed to protecting the health and safety of all members of the University community and to protecting the environment.
All members of the University community, including students, faculty, staff, visiting faculty and researchers and contractors, are expected to be aware of and conform to University policies and procedures and share the responsibility for eliminating substantive risk to health, safety and the environment.
Latest News
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Emergency Notifications now on the KAUSTCentral App
Keeping KAUST Safe
Promoting a Safe and Healthy Workplace: Responsible Practices with Cats/Dog on Campus
Keeping KAUST Safe Pulse Survey 2024
Exhaust
Rotation
Supply
24 September, 2024
Emergency Notifications on the KAUSTCe...
To better serve our community, Health, Safety, and Environment (HSE) in collaboration with KAUST Smart, developed new emergency features now...
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19 September, 2024
HSE Campus Safety Update: Promoting a ...
We in HSE would like to recognize KAUST's pet friendly culture but to also recognize the health risks and unintended consequences...
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1 September, 2024
Your voice matters: Complete the Keepin...
We invite you to take part in the "Keeping KAUST Safe Pulse Survey 2024," organized by the Health, Safety & Environment (HSE) department.
Read More ›
8 August, 2024
Energy Wheel
Energy wheels, or rotary heat exch
sensible or latent energy (or both) t
exhaust air and the incoming outsi
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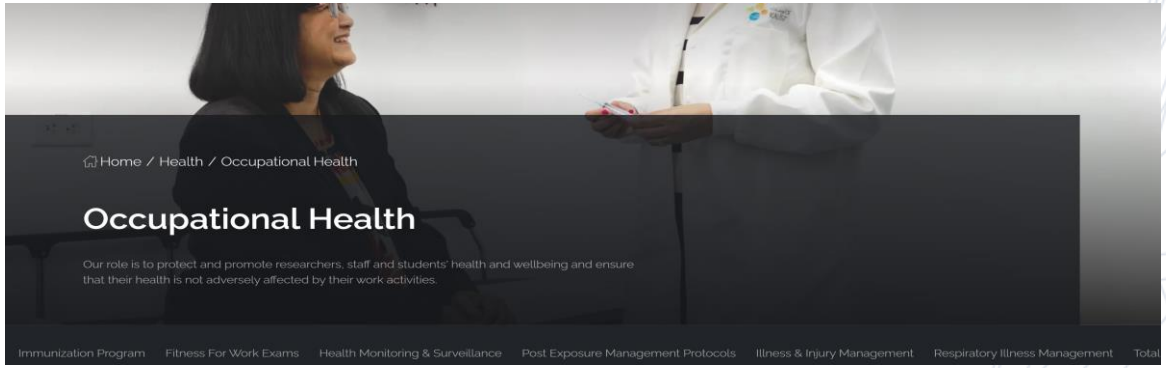
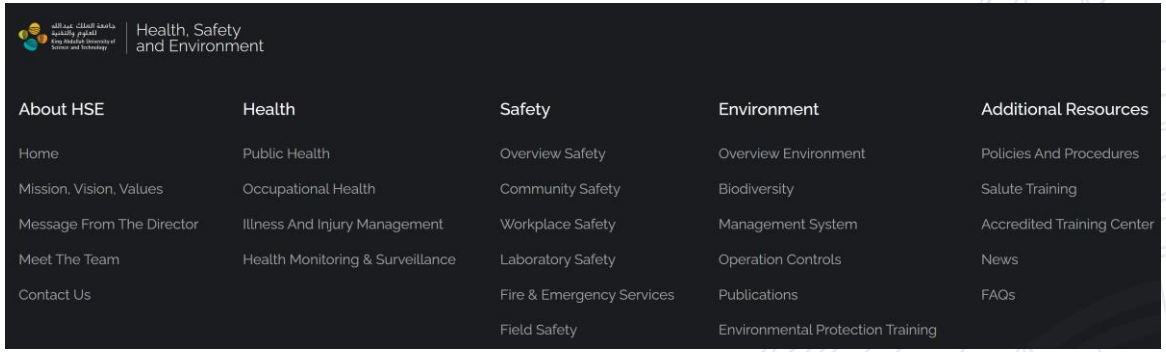
KAUST WEATHER
31°
KAUST Weather
KAUST Weather provides current and up to date information on outdoor local weather conditions at KAUST using the university's own weather stations.
Read More ›


Home / Health / Occupational Health
Occupational Health
Our role is to protect and promote researchers, staff and students' health and wellbeing and ensure that their health is not adversely affected by their work activities.
Immunization Program
Fitness For Work Exams
Health Monitoring & Surveillance
Post Exposure Management Protocols
Illness & Injury Management
Respiratory Illness Management


Health, Safety and Environment
About HSE
Home
Mission, Vision, Values
Message From The Director
Meet The Team
Contact Us
Health
Public Health
Occupational Health
Illness And Injury Management
Health Monitoring & Surveillance
Safety
Overview Safety
Community Safety
Workplace Safety
Laboratory Safety
Fire & Emergency Services
Field Safety
Environment
Overview Environment
Biodiversity
Management System
Operation Controls
Publications
Environmental Protection Training
Additional Resources
Policies And Procedures
Salute Training
Accredited Training Center
News
FAQs

RST Webpage

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King Abdullah University of Science and Technology
Health, Safety and Environment

Safe Research

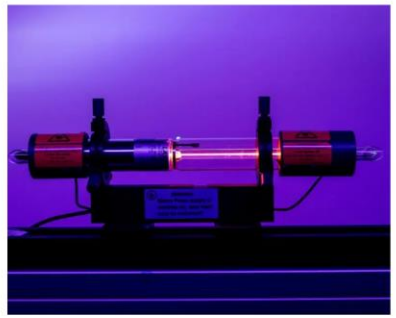
Working safely is about building defences or barriers. Our Safe Research resources explain the many tools, techniques and behaviors necessary in the research environment to build the..

Biological Safety

KAUST's Biosafety Program has been developed to protect the research community, the general public and the environment from exposure to hazardous biological agents or materials..

Chemical Safety

Chemicals are used across KAUST for both research and teaching applications. These chemicals have different hazards associated with them (e.g. fire or caustic, etc.) that can have the..



Laser Safety & Non-Ionizing Radiation

Lasers, Ultraviolet (UV),Infrared (IR), Electromagnetic Fields(EMF) including Radiofrequency (RF) and Microwaves (MW), are categorized as Non-ionizing Radiation (NIR)

Industrial Hygiene

Our Industrial Hygiene (I.H.) efforts focus on identifying and controlling a number of hazards and exposures. I.H.'s can provide respirator training and fit testing, perform risk assessments and..

Radiation Safety

Radiation Safety Program was developed to facilitate and ensure the safe use of ionizing radiation at KAUST. The program provides the technical support necessary, professional guidanc..

Research Safety Training

All KAUST faculty, staff, and students who work in labs with chemical, biological, radiological and/or physical hazards are required to attend the HSE Emergency Incident Preparedness..

Lab Hazardous Waste

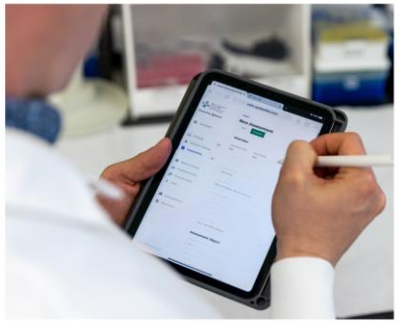
Every lab generates some form of waste, so it is important that the requirements for the proper identification, safe storage, handling, and accumulation of hazardous chemical waste are..

PME

Physical, mechanical and electrical hazards.

Lab Emergency preparation

For any emergency, including fires, chemical spills, injuries, accidents, explosions, and medical emergencies, dial 911 from any KAUST landline, including blue-light phones located in..

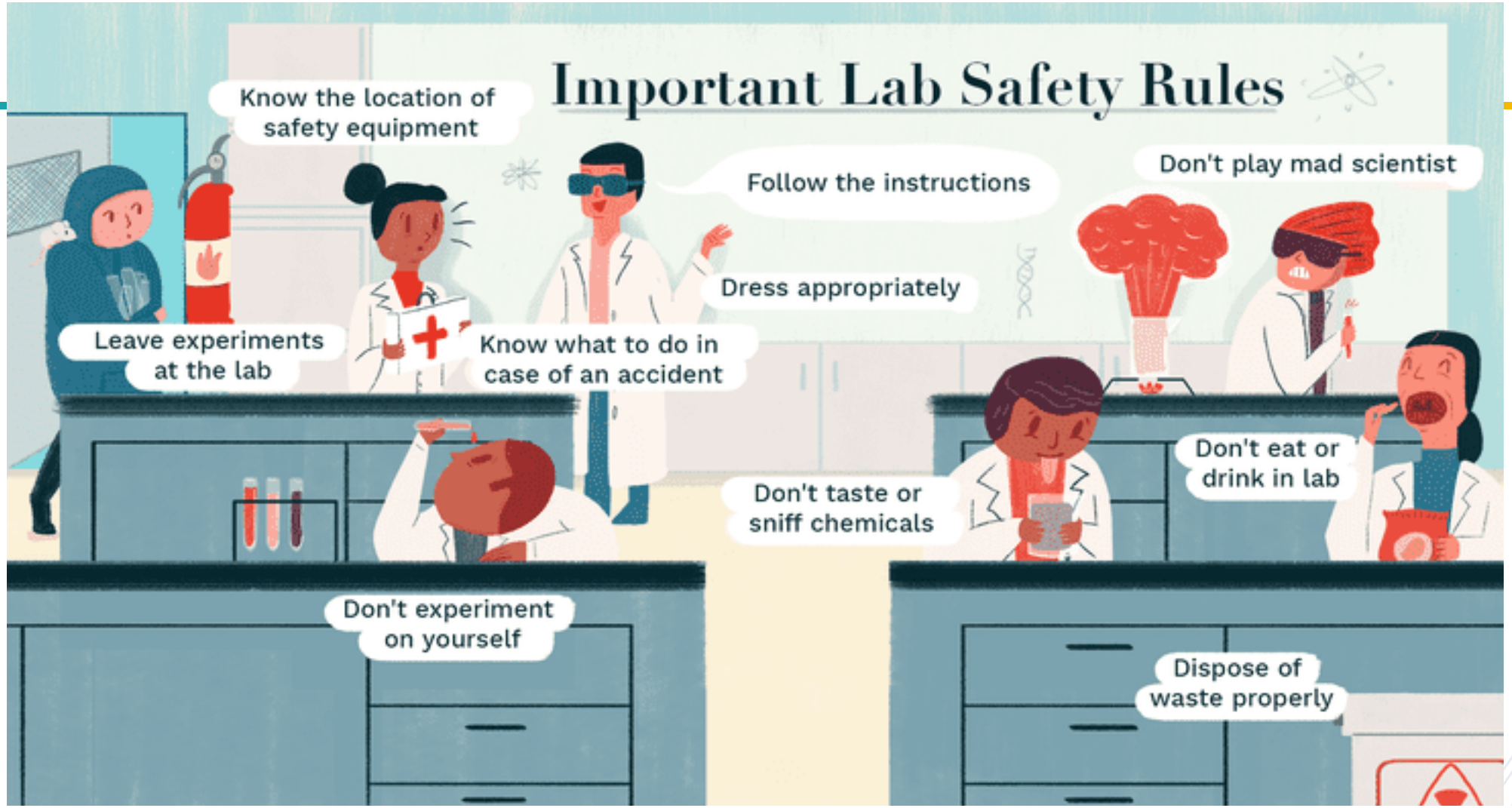


Research Safety Team

The KAUST Research Safety team makes every effort to keep our scientists, students and faculty members safe on campus and in the laboratory. We develop policies, procedures, bulletin..

Important Content

- LSR webpage
- KAUST Evacuation Plans
- LabMapper for Assessments
- Lab Safety Plan template
- SOP template
- Safety Supplies List
- **ASEPC**
- **Equipment Surplus**
- **Chemical Reuse Program -** Contact WHSOrder@kaust.edu.sa
- **Consumables Reuse Program -** Contact WHSOrder@kaust.edu.sa



If you have any question or need advice, please contact us at HSE@kaust.edu.sa