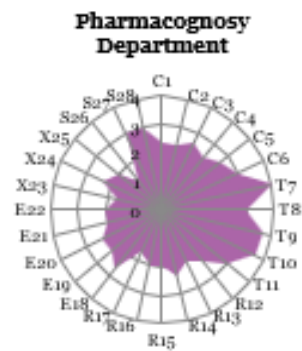


## 7. Faculty of Pharmacy and Drug Manufacturing

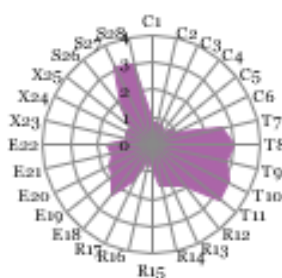
Represented by:

Prof. Dr. Hend Hussien  
 Dr. Mennatallah Ismail  
 Dr. Ahmed Elnoby  
 Dr. Karin Magdy

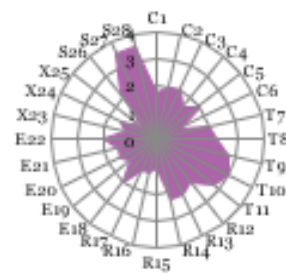
Evaluation of the current situation



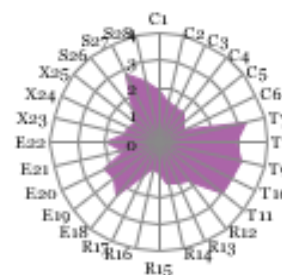
**Chemistry Department**



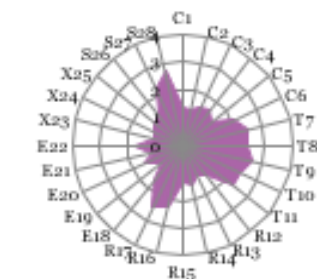
**Microbiology Department**



**Pharmaceutics Department**



**Pharmacology Department**

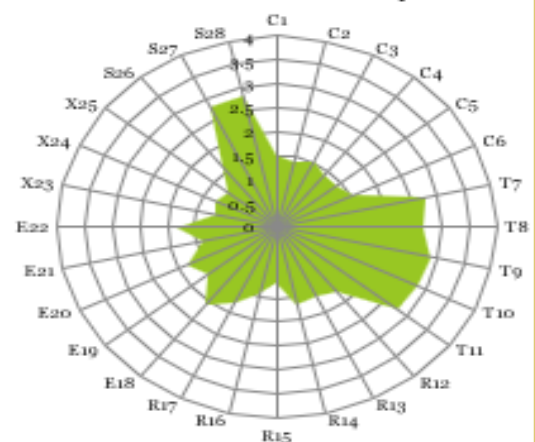


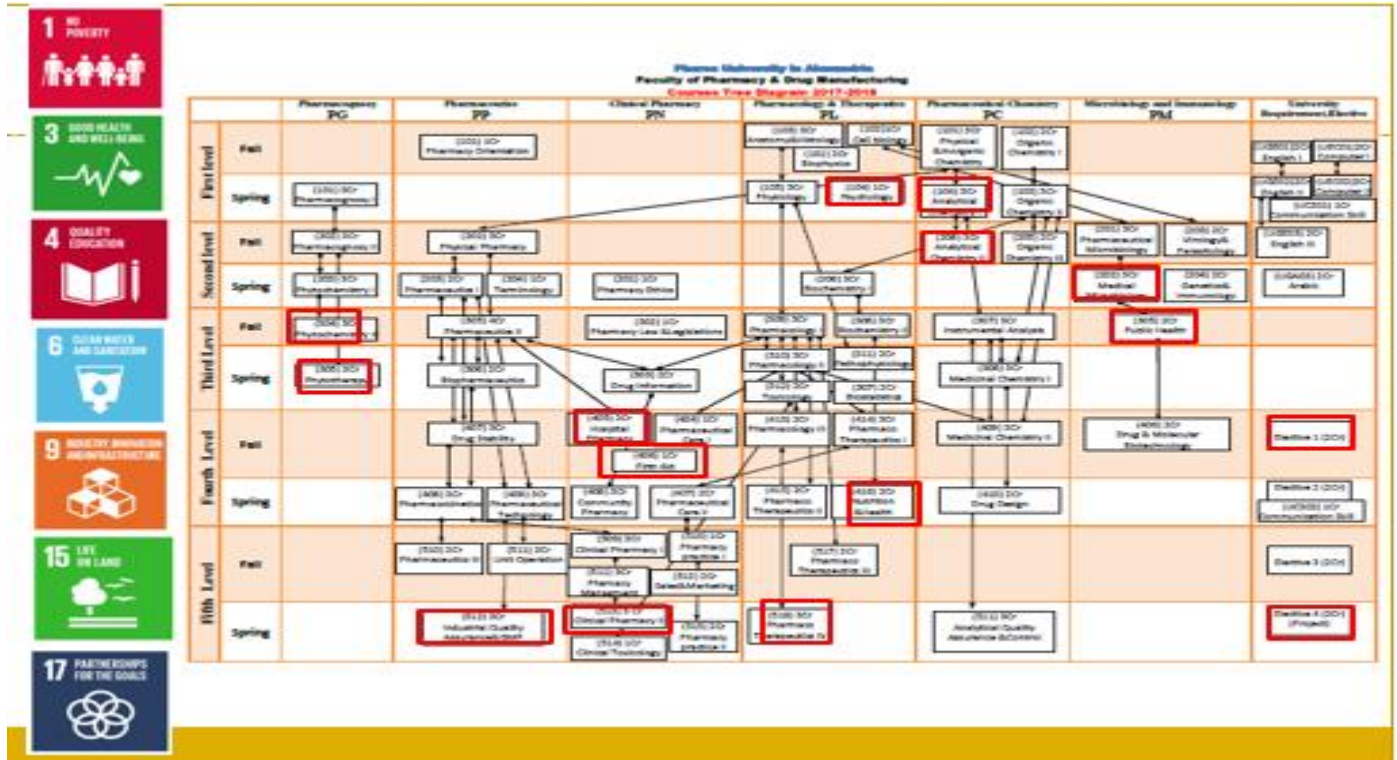
**A general pattern was observed showing:**

- ✓ An evident knowledge and willing from the staff members to integrate the sustainability concerns in the research & education process.
- ✓ An intermediate community engagement, as the faculty addresses the community *via* field and graduation projects
- ✓ Low integration of sustainability topics in our curricula and lack of examination of sustainability concerns in the student's evaluation process.
- ✓ A deficiency in research projects that address sustainability concerns in both students and staff research

Courses targeting the following SDGs

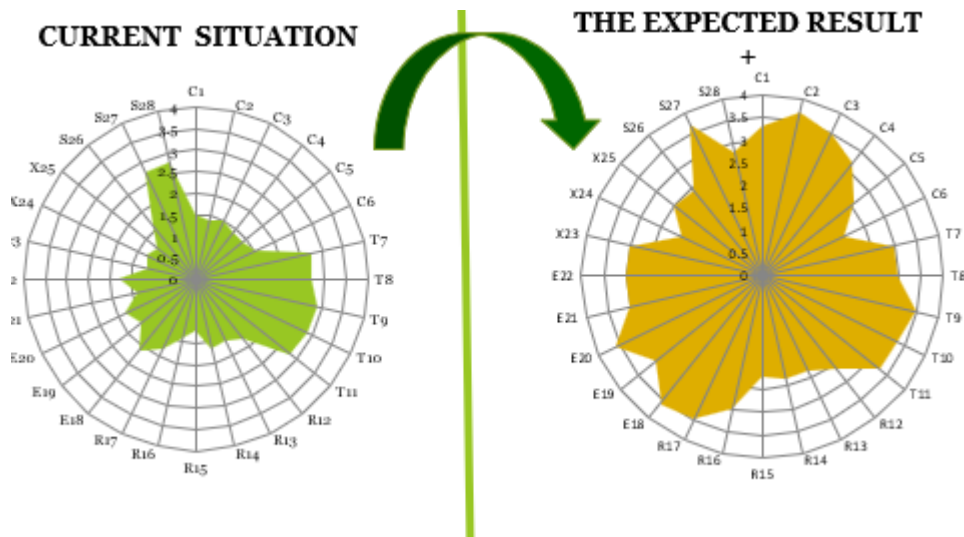
**Average Of Faculty of pharmacy New Bylaws Courses Fall 2018-2019**



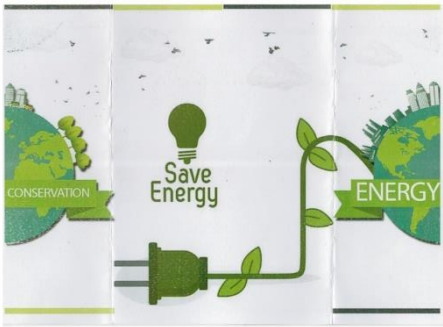


**Expected results**

Future Plans: Next semester, an integrated Graduation project related to the “Sustainability in Pharmaceutical Care” will be coordinated between all the faculty departments.



# Examples:



**People have enough water to go around, but we waste it!**

**Goals & Objectives of water conservation:**

- Help preserve our natural resources
- Increase the availability of water to serve additional water needs
- Improvement in overall water quality and lowering waste water discharges
- Eliminate our need to find or build new water sources
- Saving Money for Our Citizens and Community

**What is water conservation?**

It is the practice of using water efficiently to reduce unnecessary water usage and recycling waste water for different purpose such as cleaning, manufacturing and Agriculture irrigation.

**General Facts:**

- 50% of water on campus used in showers, bathrooms and drinking fountains.
- Recycled water is used less than the amount since 1980.

**Why is it important?**

Fresh clean water is a limited resource, as well as a costly one. Thus, Conservation of this natural resource is critical for the environment and our wallets.

**DO NOT LET LIFE:**

- Install a low flow shower head... It saves 15 gallons of water during a 10-minute shower.
- When bathing, be careful not to cover the tub... A full tub is usually sufficient.
- Don't let water run while shaving, washing your face or brushing your teeth.
- Check for and repair leaks... An average of 10,000 gallons of water is wasted every year due to household leaks.
- Use a dishwasher... ENERGY STAR dishwashers save about 1,000 gallons of water over its lifetime of use.

**RECYCLING WASTES IN OUR COLLEGE:**

- Making a beautiful garden in our college by using coloured tires
- Collection of plastic bottles to be used in cultivation as shown in picture
- We can use it in our college as a good recycling idea

**RECYCLING WASTES IN OUR HOME:**

- Plastic bottles can be used in kitchen as shown in the picture
- We can use it in our Home
- Using tires in making soft chairs in our home

**RECYCLING WASTES IN OUR COLLEGE:**

- Red refer to glass, aluminum plates wastes
- Green refer to plastic wastes
- Blue refer to carton wastes

**RECYCLING WASTES IN OUR HOME:**

- Plastic bottles can be used as a vase for flowers in home

**Ideas in life style**

- Paper waste:** Paper waste items include books, newspapers, magazines, cardboard boxes and envelopes.
- Plastic waste:** Items include plastic bags, water bottles, rubber bags and plastic wrappers.
- Glass waste:** All glass products like broken bottles, beer and wine bottles can be recycled.
- Aluminium waste:** Cans from soda drink, tomato, fruit cans and all other cans can be recycled.

**Ideas in PUA Campus**

1. Campaign awareness (speaking to Students in 11 colleagues especially Gap time)
2. Posters on walls inside each faculty
3. Announcement including The most recycling

Many hotels have already started to reduce their plastic waste through measures like not using plastic straws in drinks and not selling water in plastic bottles. So, hoteliers will be pleased to see that plastic is the theme for this year's Make Holidays Greener (MHG) campaign led by ASTA in partnership with Travelfor Hotels & Accommodations.

**Carbon Footprint results:**

Hassan Ali Elmahdy	5115114	6.7
Hazem ElSout	5115108	5.3
Ramy Ashraf Eshibini		6.9
Sara Metwaly	5115176	3.2
Salma Hamed	5115184	2.8

**WASTE RECYCLING**

- We can use stones in making a mat in our home

**Pharos University at Alexandria**

**Faculty of Pharmacy and Drug Manufacturing**

**Under supervision**  
Dr. Amira Gaber ElBaradei

Names	ID	Carbon footprint
Ahmed Mohamed elsheghery	5114601	3.8
Mahmoud Alaa Elshahaby	5111285	3.5
Reda Ramadan zedan	5114156	3.75
Mohamed Elsaid elshahaby	5114279	3.11
Mahmoud Shadia ElBeltawy	5114316	3
Zayed zahar	5114507	3.2

**References**

- [http://www.enriopedia.org.uk/Sustainability/Waste\\_Recycling.php](http://www.enriopedia.org.uk/Sustainability/Waste_Recycling.php)
- <https://www.eschooltoday.com/waste-recycling/what-is-recycling.html>
- <https://www.epa.gov/hw/hazardous-waste-recycling>

**Waste recycling and separation at source**

**Applying Water Conservation on Campus**

A lot of ideas can be applied on our campus to avoid wasting water, which will preserve our water resources and save budget wasted on the excessive use of water.

**New facilities can help us reach this goal as:**

- Low Flow, No Touch Faucets
- Water-free Urinals
- Using cisterns
- Recycling rooftop rainwater

**Ways for students to preserve water**

- Collect excess water and use it wisely
- If not using the tap, turn it off
- Report leaks in labs (a single dripping tap can waste up to 20,000 litres of water in a year)
- Use a refillable water bottle

**Save water Save me**

**OUTDOORS**

- Water plants wisely. Water your garden early in the morning or late in the evening, so the water lasts and is not immediately evaporated by the hot sun.
- Equip all hoses with shut-off nozzles, which can prevent hose leaks.
- Wash vehicles at locations that recycle the water.
- Use a broom instead of a hose to clean sidewalks, driveways, and patios.

**Carbon foot print (boys reader): 0.31**  
**Carbon foot print (Student staff): 0.23**  
**Carbon foot print (passant youath): 0.33**  
**Carbon foot print (omar moostafa): 0.24**

**Energy Conservation:** Is the effort made to reduce the consumption of energy by using less of an energy service.

**Ideas of energy conservation in university:**

- 1- paper waste recycling
- 2- Installing motion detectors in less-frequented areas to keep extra lights turned off during the day
- 3- Setting up a carpool system allows students to share rides.
- 4- Use smart power strips
- 5- Install energy efficient windows.
- 6- Use solar energy cells to generate electricity.
- 7- energy conservation in laboratories by Eliminating unnecessary fumes, refrigerators and Turn off centrifuges overnight and over the weekend.

**Ideas of energy conservation in lifestyle:**

- 1- Utilize Natural Lightings
- 2- Unplug appliances.
- 3- Use Less Hot Water.
- 4- Use Maximum Daylight.
- 5- Drive Less. Walk More and Carpooling.
- 6- plant Shady Landscaping outside your home.

**Benefits:**

- 1- Save Energy
- 2- Save Money
- 3- Save Time
- 4- Save Space
- 5- Save Water
- 6- Save Paper
- 7- Save Environment
- 8- Save Health
- 9- Save Safety
- 10- Save Quality
- 11- Save Life
- 12- Save Peace
- 13- Save Love
- 14- Save Happiness
- 15- Save Joy
- 16- Save Fun
- 17- Save Success
- 18- Save Prosperity
- 19- Save Wealth
- 20- Save Power
- 21- Save Influence
- 22- Save Respect
- 23- Save Honor
- 24- Save Dignity
- 25- Save Honor
- 26- Save Honor
- 27- Save Honor
- 28- Save Honor
- 29- Save Honor
- 30- Save Honor

**Carbon Footprint Results:**

Halima Sayed	3.8
Sara Abd Eltwab	3.4
Salma Elmaghraby	4.1
Falma Omar	3.5
Mohamed Hussein	4.2