

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

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POSTERS

SUSTAINABLE DEVELOPMENT GOAL 9 IS ONE OF THE 17 GOALS WHICH SEEKS TO BUILD RESILIENT INFRASTRUCTURE, PROMOTE SUSTAINABLE INDUSTRIALIZATION AND FOSTER INNOVATION. SUSTAINABLE CHEMISTRY IS THE DESIGN, MANUFACTURE AND USE OF EFFICIENT, EFFECTIVE, SAFE AND MORE ENVIRONMENTALLY FRIENDLY CHEMICAL PRODUCTS AND PROCESSES. WASTE MANAGEMENT IS A STREAMLINED PROCESS THAT ORGANIZATIONS USE TO DISPOSE OF, REDUCE, REUSE, AND PREVENT WASTE. CHEMISTRY AND CHEMICAL RESEARCH CAN PARTICIPATE IN ACHIEVING THIS GOAL BY ORIENTING CHEMISTRY PRACTICES AND RESEARCHES TOWARDS MORE SUSTAINABLE TRENDS.

THE MAIN OBJECTIVES OF THIS STUDY ARE TO PROVIDE DATA NEEDED FOR LONG TERM PLANNING, KEEP UP WITH THE PROGRESS OF THE SUSTAINABLE DEVELOPMENT GOAL 9 IN ACCORDANCE WITH CHEMISTRY RESEARCH AND TO ADDRESS THE CHALLENGES MET BY THE CHEMISTRY COMMUNITY IN MALAWI IN ACHIEVING THE GOAL.

1. MALAWI IS TO DEVELOP AN INITIATIVE WHERE BY INDUSTRIES SHOULD ADOPT SUSTAINABLE CHEMISTRY PRACTICES.
2. THE GOVERNMENT IS TO MAKE SURE THAT THE GUIDING PRINCIPLES AS STATED FOR WASTE DISPOSAL ARE MET BY EACH PRODUCTION COMPANY.
3. THE CONSTRUCTION AND DEVELOPMENT OF INDUSTRIAL SITES THAT WILL SPECIFICALLY DEAL WITH INDUSTRIAL WASTE AND SUSTAINABLE CHEMISTRY

1. ARE COMPANIES THAT ARE IN THE PRODUCTION/MANUFACTURING SECTOR ADOPTING SUSTAINABLE CHEMISTRY PRINCIPLES WHEN DEALING WITH WASTE?
2. HAS THE GOVERNMENT PUT IN PLACE MEASURES THAT ARE IN LINE WITH THE SUSTAINABLE CHEMISTRY PRINCIPLES?
3. HOW DO THESE PRINCIPLES ALIGN WITH SUSTAINABLE DEVELOPMENT GOAL 9?

1. MALAWI IS FACING CHALLENGES RELATED TO THE POOR MANAGEMENT OF CHEMICALS AND WASTE, WHICH IS ADVERSELY IMPACTING HUMAN HEALTH AND THE ENVIRONMENT.
2. THE CHEMISTRY RESEARCH SECTOR REGARDING SUSTAINABLE CHEMISTRY AND WASTE MANAGEMENT IS QUITE SMALL AND INSIGNIFICANT HENCE NOT A LOT OF DATA CAN BE OBTAINED REGARDING THIS ISSUE.

ACCORDING TO THE AMERICAN SOCIETY OF CHEMISTS(ASC), THERE ARE 7 SDG's THAT ARE FOUNDATIONAL TO THE WORK OF THE CHEMISTRY COMMUNITY AND SDG 9 IS ONE OF THEM. THIS GOAL IS ESSENTIAL FOR CREATING AND DEVELOPING ECONOMICALLY VIABLE AND SUSTAINABLE SOLUTIONS, THE SIGNIFICANCE OF ANALYZING THE PROGRESS MADE ON ACHIEVING THIS SDG IS THAT IT HAS HELPED US SEE THE CHALLENGES MET WHICH IN TURN HAS HELPED US COME UP WITH INITIATIVES THAT WILL HELP IN MEETING THIS GOAL FOR A SAFE AND EQUITABLE FUTURE

1. CHEMICALS AND POLLUTION ACTION - <https://www.unep.org/technical-highlight/malawi-finds-innovative-solutions-tackle-chemicals-and-waste-management>
2. CHEMISTRY AND SUSTAINABLE DEVELOPMENT GOALS - <https://www.acs.org/sustainability/chemistry-sustainable-development-goals.html>

