



Mechanical Power Engineering Department Mansoura University Combustion Lab (MUCL)



Our Mission

- To graduate students who can understand and keep up with the continuous development in the combustion and fuels field and be able to efficiently compete at the local and regional levels, equipped with the foundations of basic, research and applied sciences.
- To devote our efforts and resources to state-of-the-art research in the fields of combustion, fluidized beds and alternative fuels. Our goal is to innovate sustainable technologies for cleaner and efficient combustion of fuels for power generation and propulsion.

Our Beneficiaries

- Under-graduate students from Mechanical Power engineering department, and new and renewable energy program.
- Post-graduate students who are interested in pursuing a higher degree in combustion, machines design and performance or fuel production.
- Private and public entities that are looking for effective and environmentally friendly solutions concerning energy generation and combustion.

Our Research Interests

- Bio mass fuels
- Bio diesel production
- ICE research and development
- Gas turbines design and operation
- Fluidized beds technology

