

## MOHY SAAD MANSOUR



Mohy Saad Mansour is a professor of energy, renewable fuels, thermo-fluids, combustion and combustion systems, and laser diagnostics of turbulent reacting flows - mechanical power engineering department at Cairo University. He is a fellow of the Combustion Institute – USA. He is the chairman of the Egyptian Society for Renewable Energy (ESRE), the chairman of the Egyptian Section of the Combustion Institute, and co-chair of the Mediterranean combustion symposium. He is the chair of the Egypt Waste-to-Energy section (WtERT). He is a member of the editorial board of Flow, Turbulence, and Combustion Journal. His B.Sc. and M.Sc. degrees from Cairo University in mechanical engineering. He was awarded his Ph.D. in mechanical engineering from the University of Sydney - Australia. Prof. Mansour started his career at the Department of Mechanical Power Engineering - Cairo University in 1981 as a tutor and teaching assistant. Then he was appointed lecturer assistant (1985); lecturer (1992); Associate professor (1997) and finally professor (2002) at the same department. He joined the American University in Cairo during the periods 1999 – 2005 and 2012-2020 as a full-time faculty. He was appointed to several higher administrative positions: the dean of the National Institute of Laser Enhanced Sciences (NILES) - Cairo University for the period 2005-2008, the dean of faculty of engineering - BeniSuef University for the period 2009-2010, and finally the vice-president for educational and students' affairs at BeniSuef University for the period 2010-2011. Prof. Mansour established a laser diagnostics lab at the Institute of Combustion RWTH University of Aachen - Germany during the period 1990-1992 and continued to visit the lab and provide support to the Ph.D. students regularly every year during the period 1992-2019. He also has several international research links with Lund University, Cleveland State University, North Carolina State University, and Sydney University. He was the technical advisor of the Center of Excellence, COE, for Energy in Egypt. The COE was financially supported by USAID and implemented by MIT. Ain Shams, Mansoura, and Aswan Universities are Egyptian partners. His total publications are 157 with a total citation of 1962 and his h-index is 26 (Scopus – August 2025) [h-index 30 and 2739 citations, Google Scholar]. In 1997 he received a highly-ranked national award in Engineering Sciences from the Academy of Scientific Research and Technology (ASRT) in Egypt. In 2022 he received a highly ranked award in Engineering Sciences “University Appreciation Award” from Cairo University. He was recognized among the list of the top 2% impactful scientists globally in the Stanford University Elsevier study in three successive years, 2020, 2021, 2022, 2023, and 2024. His major fields of research are energy, combustion, laser applications in laminar-turbulent-reacting flows and material technology, and combustion systems.

*Mansour. August 2025*