

AWARDS AND HONORS

- 1989 HENRY FORD award, Ford of Brazil (first place in the mechanical and automobiles engineering class at the Military Institute of Engineering, IME, Brazil).
- 1996 – current: Research Productivity Grant 1A. Brazilian National Council of Scientific and Technological Development, CNPq-313646/2020-1.
- 2012 Merit medal for services, 2011, Engineering and Agronomy Regional Council, CREA-PR, Brazil.
- 2014 OUTSTANDING PAPER AWARD, HEFAT 2014 - Orlando, FL, USA.
- 2025 [World Scientist and University Rankings 2025](#) – World: 158,701, Brazil: 3,399 and UFPR: 47. AD Scientific Index – H-Index: 40; i10 Index: 118; Citation Counts: 5,593 (December 9, 2025)