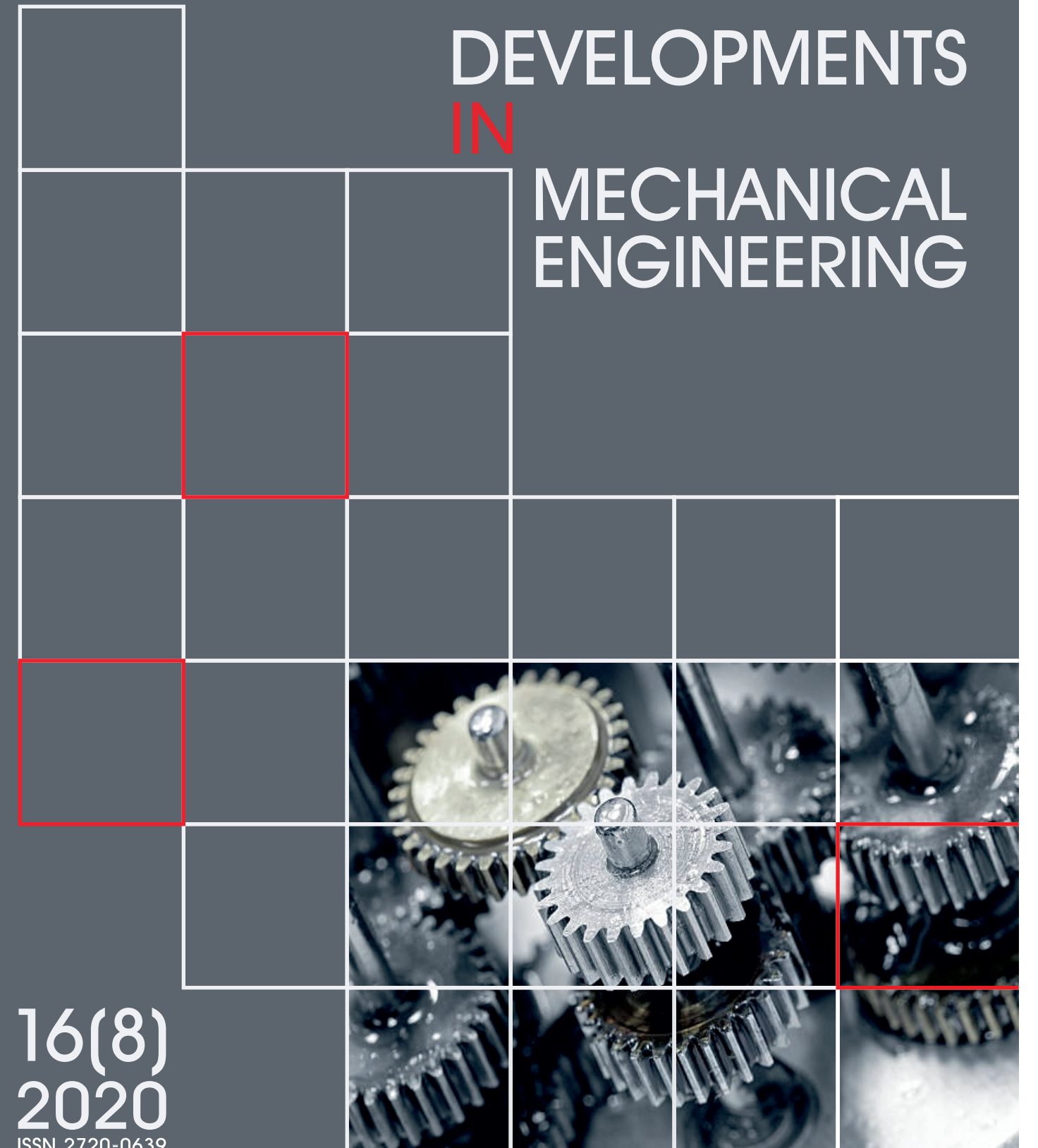


Scientific-Technical Journal of
Mechanical Engineering Faculty
UTP University of Science and Technology

DEVELOPMENTS **IN** MECHANICAL ENGINEERING



16(8)
2020
ISSN 2720-0639



DEVELOPMENTS **IN** MECHANICAL ENGINEERING 15(8)2020 www.dme.utp.edu.pl