

- 105 **Natural frequencies analysis of functionally graded circular cylindrical shells**
Alshabatat N., Zannon M.
- 123 **Numerical study on the impact of particles filling pattern and screw parameters on the mixing uniformity of wheat grains in a screw mixer**
Garneoui S., Keppler I., Korzenszky P., Talafha M. S.
- 133 **Finite-element modeling of vocal fold self-oscillations in interaction with vocal tract: Comparison of incompressible and compressible flow model**
Hájek P., Švancara P., Horáček J., Švec J. G.
- 153 **Kinematic and dynamic analysis of dam break flow impact on vertical walls using weakly compressible SPH**
Jančík P., Hyhlík T.
- 175 **Numerical simulations of the 2D supersonic flow through the tip-section turbine blade cascade with a flat profile**
Musil J., Příhoda J., Fürst J.
- 185 **Random response of a simple system with stochastic uncertainty and noise in parameters**
Náprstek J., Fischer C.