

## References

1. Bisagni Ch, Di Pietro G, Frascini L, Terletti D. Progressive Crushing of Fiber-Reinforced Composite Structural Components of a Formula one Racing Car. *Composite Structures* 2005; 68: 491–503.
2. Abid A. Shah, Ribakov Y. Recent trends in steel fibered high-strength concrete. *Materials and Design* 2011; 32: 4122–4151.
3. Dębski H. Experimental investigation of post-buckling behavior of composite column with top-hat cross-section. *Eksploatacja i Niezawodność – Maintenance and Reliability* 2013; 15(2): 106–110.
4. Dębski H, Kubiak T, Teter A. Experimental investigation of channel-section composite profiles behavior with various sequences of plies subjected to static compression. *Thin-Walled Structures* 2013; 71: 147-154.
5. Dębski H, Teter A, Kubiak T. Numerical and experimental studies of compressed composite columns with complex open cross-sections. *Composite Structures* 2014; 118: 28–36.
6. Barbero EJ, Madeo A, Zagari G, Zinno R, Zucco G. A mixed isostatic 24 dof element for static and buckling analysis of laminated folded plates. *Composite Structures* 2014; 116: 223–234.
7. Hassan Mehboob, Seung-Hwan Chang. Application of composites to orthopedic prostheses for effective bone healing: A review. *Composite Structures* 2014; 118: 328–341. doi:10.1016/j.compstruct.2014.07.052.
8. Bienias J, Gliszczynski A, Jakubczak P, Kubiak T, Majerski K. Influence of autoclaving process parameters on the buckling and postbuckling behaviour of thin-walled channel section beams. *Thin-Walled Structures* 2014; 85: 262–270.
9. Zangenberg J, Brøndsted P, Koefoed M. Design of a fibrous composite preform for wind turbine rotor blades. *Materials and Design* 2014; 56: 635–641.
10. Fujihara K, Teo K, Gopal R, Loh PL, Ganesh VK, Ramakrishna S, Foong KWC, Chew CL. Fibrous composite materials in dentistry and orthopaedics: review and applications. *Composites Science and Technology* 2004; 64: 775–788.

11. Kumar D, Singh SB. Effects of flexural boundary conditions on failure and stability of composite laminate with cutouts under combined in-plane loads. *Composites: Part B* 2013; 45: 657–665.
12. Avalle M, Belingardi G. A theoretical Approach to the optimization of flexural stiffness of symmetric laminates. *Composite structures* 1995; 31(1): 75-86.
13. Mangalgiri PD. Composite materials for aerospace applications. *BullMaterSci* 1999; 22(3): 657–64.
14. Heidari-Rarani M, Khalkhali-Sharifi SS, Shokrieh MM. Effect of ply stacking sequence on buckling behavior of E-glass/epoxy laminated composites. *Computational Materials Science* 2014; 89: 89–96.
15. Nam-II Kim 1, Dong-Ho Choi. Super convergent shear deformable finite elements for stability analysis of composite beams. *Composites: Part B* 2013; 44: 100–111.
16. Jones RM. *Mechanics of composite materials*. Ed. London: Taylor & Francis, 1999.
17. Rośkowicz M, Smal T. Research on durability of composite materials used in repairing aircraft components. *Eksploatacja i Niezawodność. Maintenance and Reliability* 2013; 15(4): 349–355.
18. Ghannadpour SAM, Ovesy HR, Zia-Dehkordi E. An exact finite strip for the calculation of initial post-buckling stiffness of shear deformable composite laminated plates. *Composite Structures* 2014; 108: 504–513.
19. Wei Wang, Guo S, Nan Chang, Wei Yang. Optimum buckling design of composite stiffened panels using ant colony algorithm. *Composite Structures* 2010; 92: 712–719.
20. Kołakowski Z, Mania RJ. Semi-analytical method versus the FEM for analysis of the local post-buckling of thin-walled composite structures. *Composite Structures* 2013; 97: 99–106.