

**Dr. Vad János – 2013. október 30.**

***A tudományos pálya szempontjából legfontosabbnak ítélt tíz közlemény (kiemelve a MAB előírások szerint összeállított egyetemi tanári pályázati anyagból)***

Tíz, Web of Science adatbázisban szereplő, impakt faktoral rendelkező folyóiratcikk:

- [1] Vad, J. (2013), Forward blade sweep applied to low-speed axial fan rotors of controlled vortex design: an overview. *ASME Journal of Engineering for Gas Turbines and Power*, **135**, pp. 012601-1:012601-9.
- [2] Vad, J. (2012), Incorporation of forward blade sweep in preliminary controlled vortex design of axial flow rotors. *Proc. Instn Mech. Engrs, Part A, J. Power and Energy*, **226**, pp. 462-478.
- [3] Vad, J. (2011), Correlation of flow path length to total pressure loss in diffuser flows. *Proc. Institution of Mechanical Engineers – Part A: Journal of Power and Energy*, **225**, pp. 481-496.
- [4] Vad, J. (2010), Radial fluid migration and endwall blockage in axial flow rotors. *Proc. Institution of Mechanical Engineers – Part A: Journal of Power and Energy*, **224**, pp. 399-417.
- [5] Vad, J. (2008), Aerodynamic effects of blade sweep and skew in low-speed axial flow rotors at the design flow rate: an overview. *Proc. Institution of Mechanical Engineers – Part A: Journal of Power and Energy*, **222**, pp. 69-85.
- [6] Vad, J., Kwedikha, A. R. A., Horváth, Cs., Balczó, M., Lohász, M. M., Rékert, T. (2007), Aerodynamic effects of forward blade skew in axial flow rotors of controlled vortex design. *Proc. Institution of Mechanical Engineers – Part A: Journal of Power and Energy*, **221**, pp. 1011-1023.
- [7] Vad, J., Kwedikha, A. R. A., Jaberg, H. (2006), Effects of blade sweep on the performance characteristics of axial flow turbomachinery rotors. *Proc. Institution of Mechanical Engineers – Part A: Journal of Power and Energy*, **220**, pp. 737-751.
- [8] Vad, J., Koscsó, G., Gutermuth, M., Kasza, Zs., Tábi, T., Csörgő, T. (2006), Study of the aero-acoustic and aerodynamic effects of soft coating upon airfoil. *JSME International Journal, Series C – Mechanical Systems, Machine Elements and Manufacturing*, **49** (3), pp. 648-656.
- [9] Goricsán, I., Vad, J., Tóth, B., Greguss, P. (2000), PALLAS: A novel optical measuring technique in air pollutant transport studies. *Journal of Wind Engineering and Industrial Aerodynamics*, **87**, pp. 259-270.
- [10] Vad, J., Bencze, F. (1998), Three-dimensional flow in axial flow fans of non-free vortex design. *International Journal of Heat and Fluid Flow*, **19**, pp. 601-607.