**Katedra Fizjologii i Biochemii Zwierząt**

**Publikacje, 2014 rok**

1. Arafat, A. M., **Kaczmarek, P., Skrzypski, M., Pruszyńska-Oszmałek, E., Kołodziejski, P.,** Adamidou, A., Ruhla, S., **Szczepankiewicz, D., Sassek, M., Billert, M.,** Wiedenmann, B., Pfeiffer, A.F., **Nowak, K.W.,** Strowski, M. Z. **(2014).** Glucagon regulates orexin A secretion in humans and rodents. *Diabetologia*, *57,* 2108-2116.
2. Wasielewski, O., **Szczepankiewicz, D.,** Giejdasz, K., **Wojciechowicz, T.,** Bednarova, A., Krishnan N. (2014). The potential role of adiponectin- and resistin-like peptides in the regulation of lipid levels in the hemolymph of over-wintering adult females of Osmia bicornis. *Apidologie, 45,* 491-503.
3. **Skrzypski, M., Sassek, M.,** Abdelmessih, S., Mergler, S., Grötzinger, C., Metzke, D., **Wojciechowicz, T., Nowak, K.W.,** Strowski, M. Z. **(2014)**. Capsaicin induces cytotoxicity in pancreatic neuroendocrine tumor cells via mitochondrial action. *Cellular Signalling*, *26*, 41–48.
4. **Szkudelska, K., Nogowski, L., Szkudelski, T. (2014)**. Adipocyte dysfunction in rats with streptozotocin-nicotinamide-induced diabetes. *International Journal of Experimental Pathology, 95,* 86-94.
5. **Zywert, A., Szkudelska, K., Szkudelski, T. (2014).** Inhibition of phosphodiesterase 3B in insulin-secreting cells of normal and streptozocin-nicotinamide-induced diabetic rats: implications for insulin secretion. *Journal of Physiology and Pharmacology, 65,* 425-33.
6. Khajavi, N., Reinach, P.S., **Skrzypski, M.,** Lude, A., Mergler, S. **(2014)**. L-carnitine reduces in human conjunctival epithelial cells hypertonic-induced shrinkage through interacting with TRPV1 channels. Cellular Physiology and Biochemistry,*34*,790-803.
7. Tyczewska, M., Rucinski, M., Ziolkowska, A., Szyszka, M., Trejter, M., Hochol-Molenda, A., **Nowak, K.W.,** Malendowicz, L.K. **(2014).** Enucleation-induced rat adrenal gland regeneration - expression profile of selected genes involved in control of adrenocortical cell proliferation. *International Journal of Endocrinology*, 2014, Article ID 130359, 13 pages
8. Suliburska, J., Krejpcio, Z., Staniek, H., Król, E., Bogdanski, P., Kupsz, J., **Hertig, I. (2014).** The effects of antihypertensive drugs on chromium status, glucose metabolism, and antioxidant and inflammatory indices in spontaneously hypertensive rats. *Biological Trace Element Research*, *157*, 60–66.
9. Zielinska-Dawidziak, M., **Hertig, I.,** Stanek, H., Piasecka-Kwiatkowska, D., **Nowak, K.W.** **(2014)** Effect of iron status in rats on the absorption of metal ions from plant ferritin. *Plant Foods for Human Nutrition,* *69,* 101-107.
10. [Nowak](http://bg.au.poznan.pl/cgi-bin/expertus.cgi?KAT=%2Fhome%2Fexpertus%2Fpar%2F&FST=data.fst&FDT=data05.fdt&ekran=ISO&lnkmsk=2&cond=AND&mask=2&F_00=02&V_00=Nowak+W%B3odzimierz+)**,** W., [Mikuła](http://bg.au.poznan.pl/cgi-bin/expertus.cgi?KAT=%2Fhome%2Fexpertus%2Fpar%2F&FST=data.fst&FDT=data05.fdt&ekran=ISO&lnkmsk=2&cond=AND&mask=2&F_00=02&V_00=Miku%B3a+Robert+), R., [**Pruszyńska-Oszmałek**](http://bg.au.poznan.pl/cgi-bin/expertus.cgi?KAT=%2Fhome%2Fexpertus%2Fpar%2F&FST=data.fst&FDT=data05.fdt&ekran=ISO&lnkmsk=2&cond=AND&mask=2&F_00=02&V_00=Pruszy%F1ska-Oszma%B3ek+Ewa+)**, E.,** [Stefańska](http://bg.au.poznan.pl/cgi-bin/expertus.cgi?KAT=%2Fhome%2Fexpertus%2Fpar%2F&FST=data.fst&FDT=data05.fdt&ekran=ISO&lnkmsk=2&cond=AND&mask=2&F_00=02&V_00=Stefa%F1ska+Barbara+), B., [**Maćkowiak**](http://bg.au.poznan.pl/cgi-bin/expertus.cgi?KAT=%2Fhome%2Fexpertus%2Fpar%2F&FST=data.fst&FDT=data05.fdt&ekran=ISO&lnkmsk=2&cond=AND&mask=2&F_00=02&V_00=Ma%E6kowiak+Pawe%B3+)**, P.,** [Kasprowicz-Potocka](http://bg.au.poznan.pl/cgi-bin/expertus.cgi?KAT=%2Fhome%2Fexpertus%2Fpar%2F&FST=data.fst&FDT=data05.fdt&ekran=ISO&lnkmsk=2&cond=AND&mask=2&F_00=02&V_00=Kasprowicz-Potocka+Ma%B3gorzata+),M., [Frankiewicz](http://bg.au.poznan.pl/cgi-bin/expertus.cgi?KAT=%2Fhome%2Fexpertus%2Fpar%2F&FST=data.fst&FDT=data05.fdt&ekran=ISO&lnkmsk=2&cond=AND&mask=2&F_00=02&V_00=Frankiewicz+Andrzej+), A. **(2014)** Effect of restricted feeding in the far-off period on performance and metabolic status of dairy cows. *Annals of Animal Science, 14*, 89-100.
11. Cichorska, B., Komosa,M., **Nogowski, L., Maćkowiak, P.,** Józefiak D. **(2014)** Significance of nutrient digestibility in horse nutrition - a review. *Annals of Animal Science*, *14*, 779-797.
12. Steppa, R., **Szkudelska, K.,** Wójtowski, J., Stanisz, M., Szumacher-Strabel, M., Czyżak-Runowska, G., Cieślak, A., Markiewicz-Kęszycka, M., Pietrzak M. **(2014).** The metabolic profile of growing lambs fed diets rich in unsaturated fatty acids*. Journal of Animal Physiology and Animal Nutrition, 98,* 914-920.